



Minnesota State Demographic Center

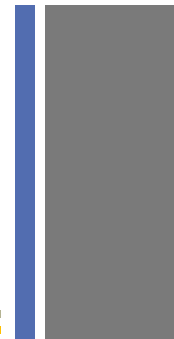
Presentation to Excel Engineering

Andi Egbert, Assistant Director, MN State Demographic Center
February 12, 2015

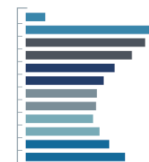
Website: mn.gov/demography | Twitter: @MN_StateData



What is the role of the MN State Demographic Center?



- Serve as a liaison to the Census Bureau and assist with the decennial census counts
- Create MN population estimates and projections
- Analyze, interpret and distribute data from the state, U.S. Census Bureau and other sources
- Offer data and technical assistance to legislators, all levels of government, organizations and citizens across the state
- Monitor trends and help MN to make data-informed decisions





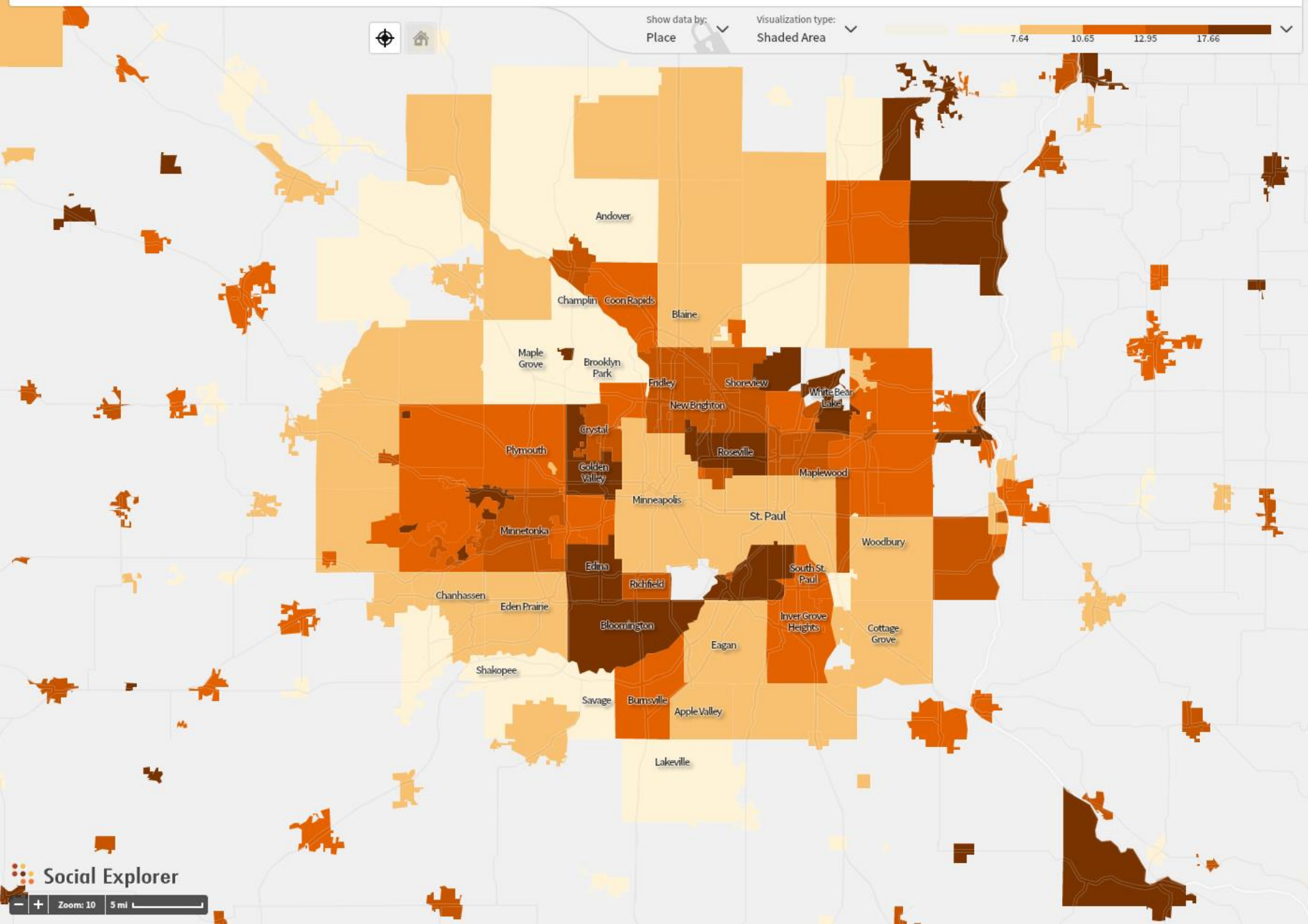
+ 4 { Aging & Implications
Labor Force Concerns
Growing Diversity
Migration Trends

Major trends for Minnesota

Aging trends

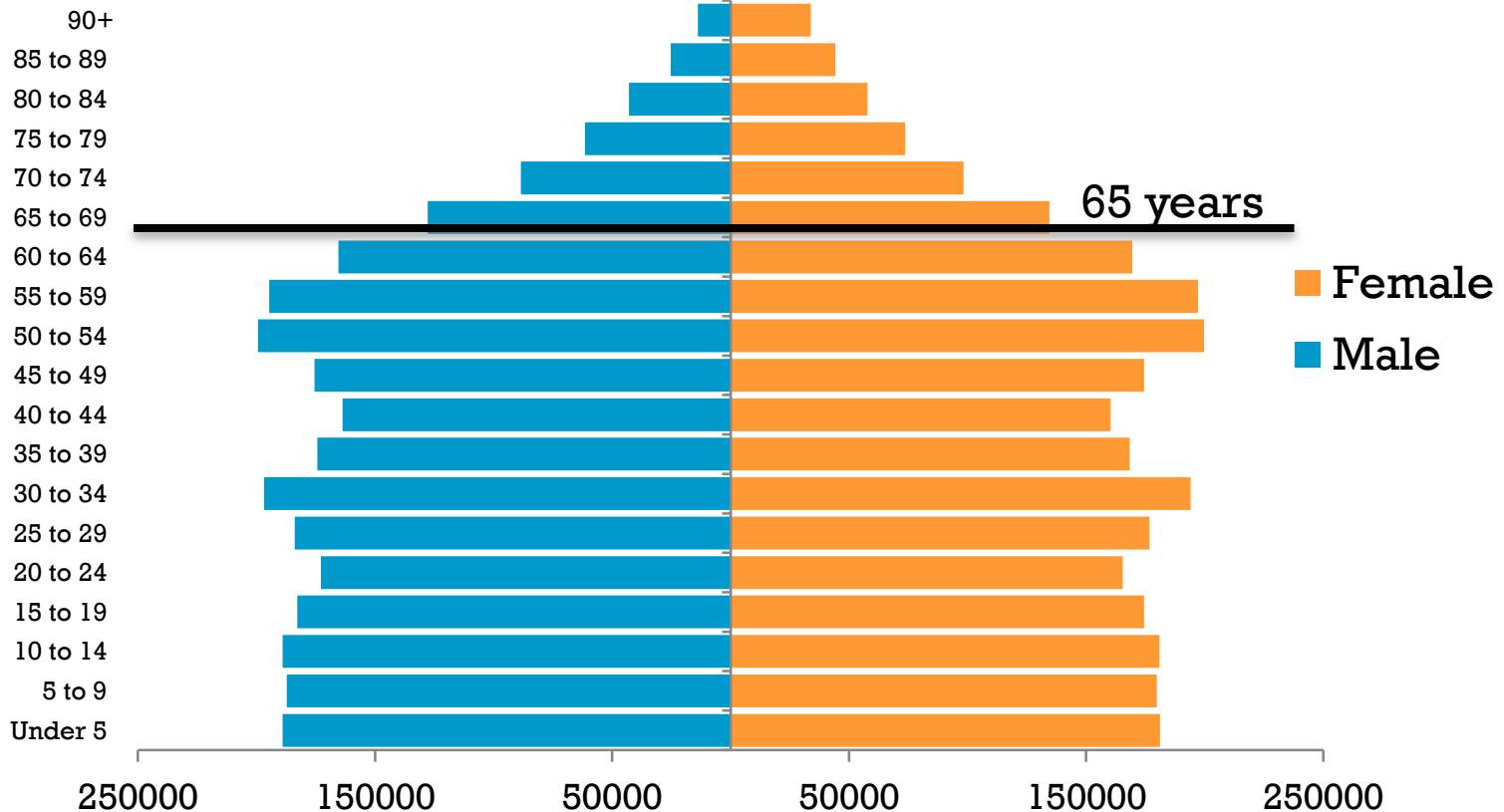


ACS 2008 -- 2012 (5-Year Estimates) - 65 and over



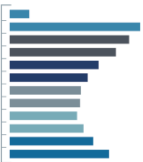
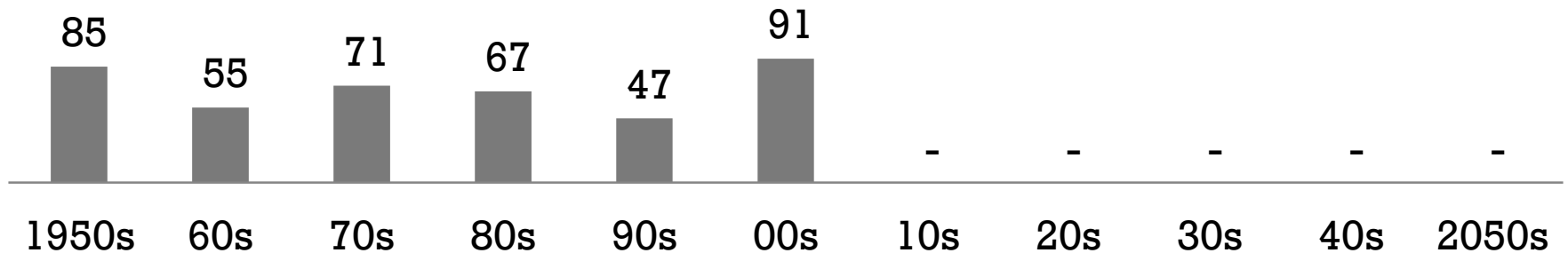
+ What Minnesota looks like... this year

MN population by age and sex, 2015



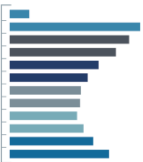
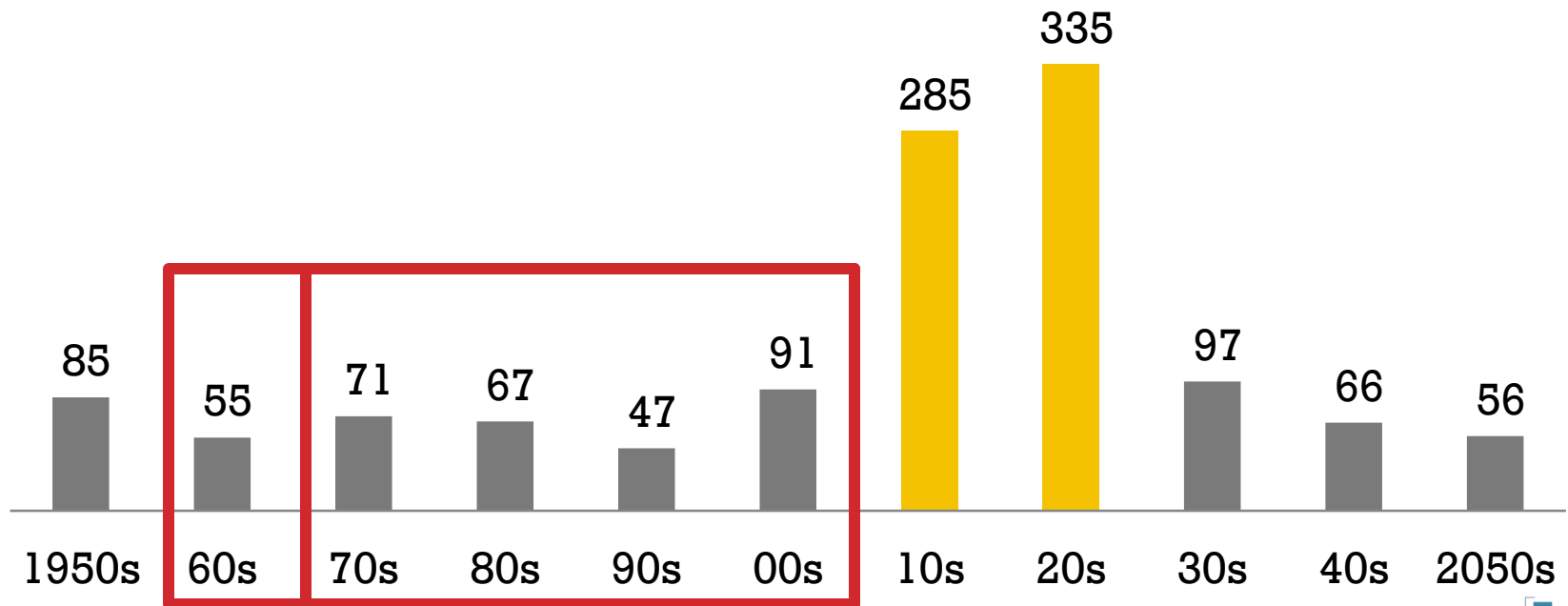
+ How many additional “older adults” will we gain during this decade?

Change in older adults, age 65+ (Thousands)



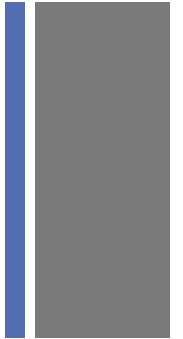
+ This decade and next: *Unprecedented* increases in MN's 65+ population

Change in older adults, age 65+ (in thousands)



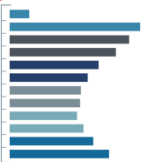


QUIZ QUESTION:



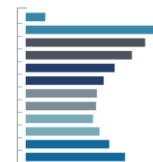
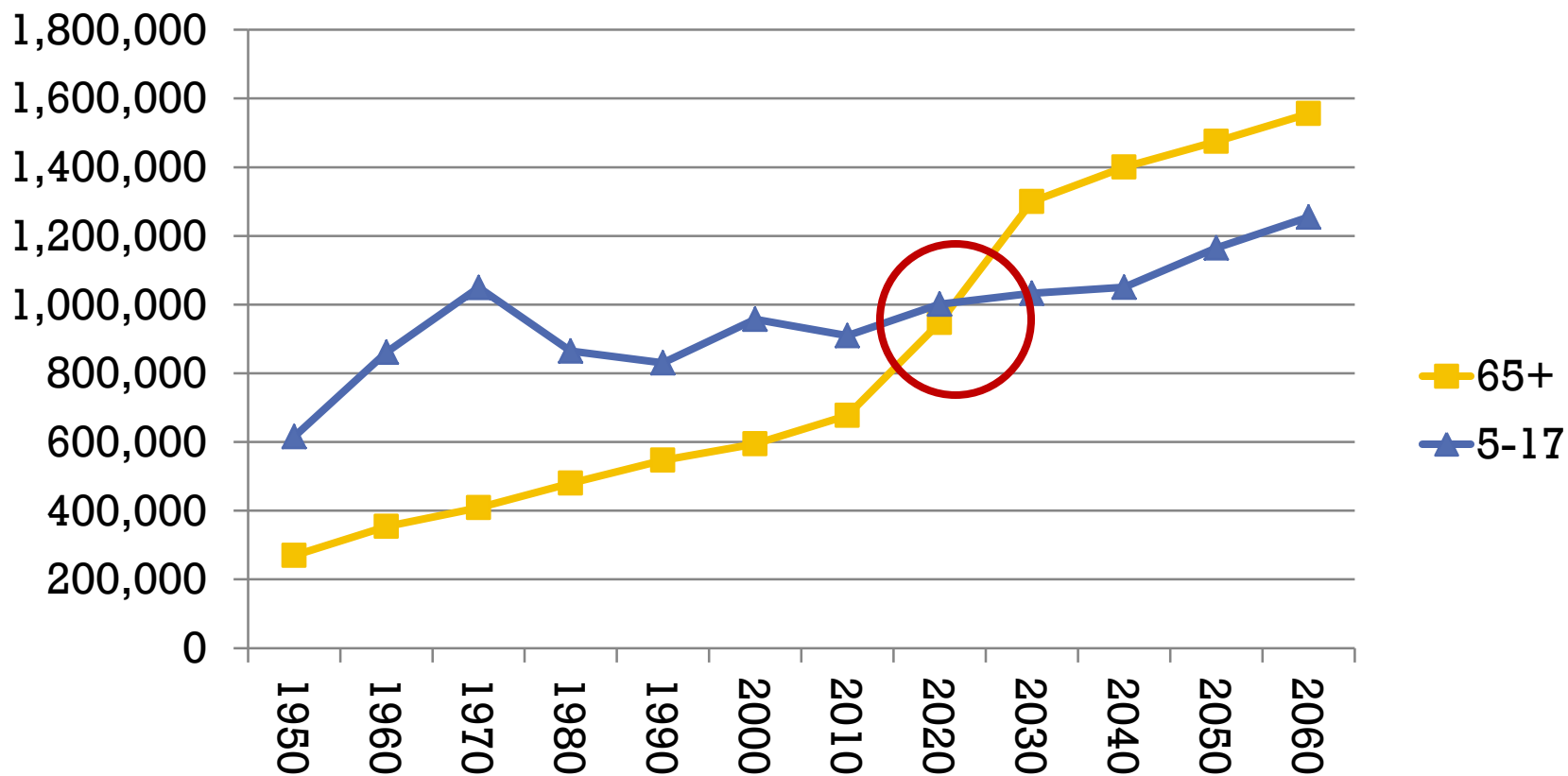
What event is predicted to happen in 2020 that has never before happened in the history of our state?

- A. The Vikings will win the Super Bowl
- B. MN will have more immigrants than U.S.-born residents
- C. MN will have more 65+ residents than school-age children, 5-17



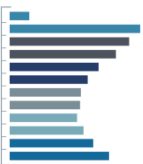
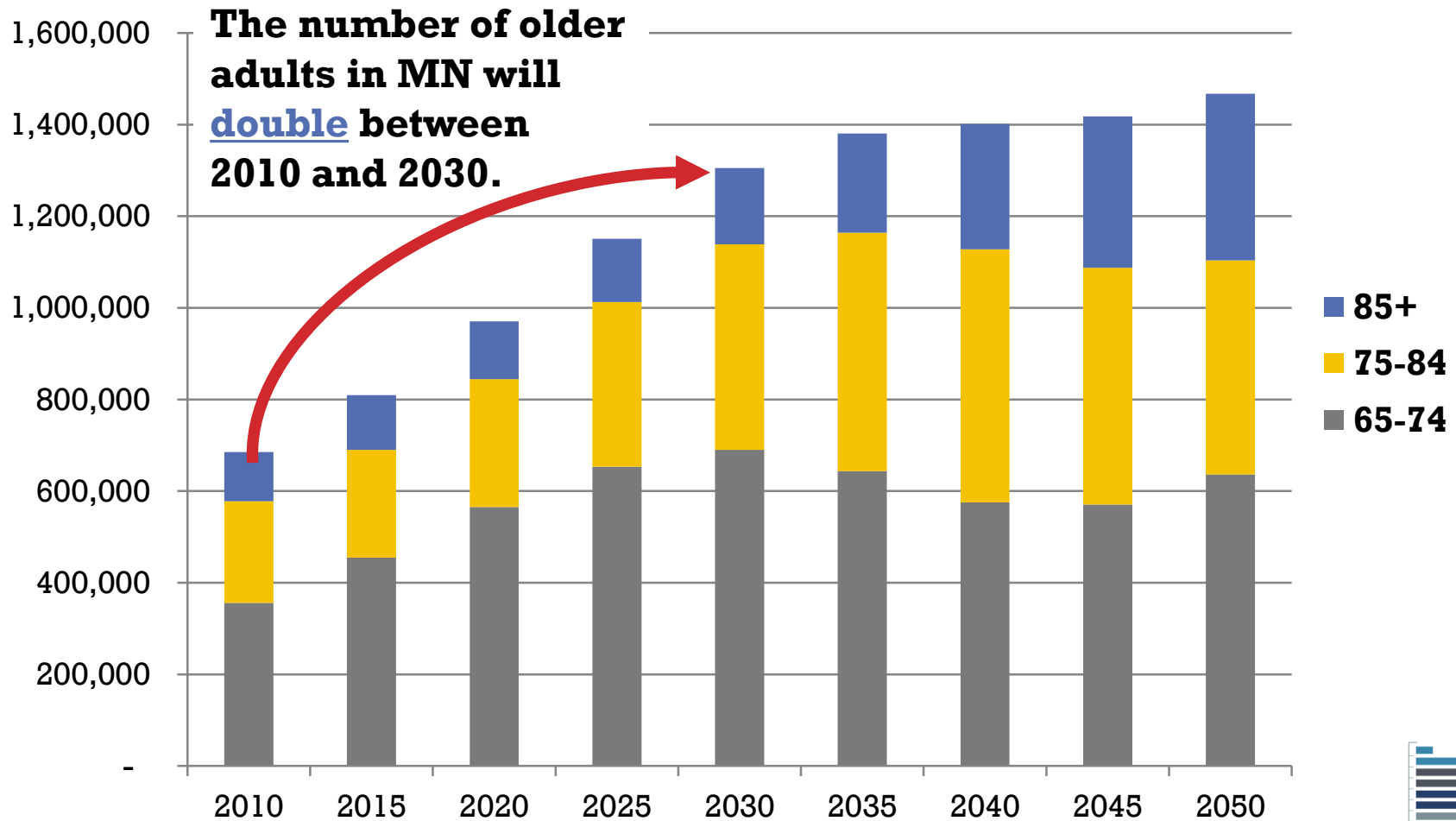


For the first time in MN history: More 65+ than school-age by 2020



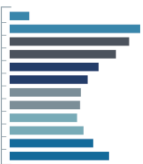
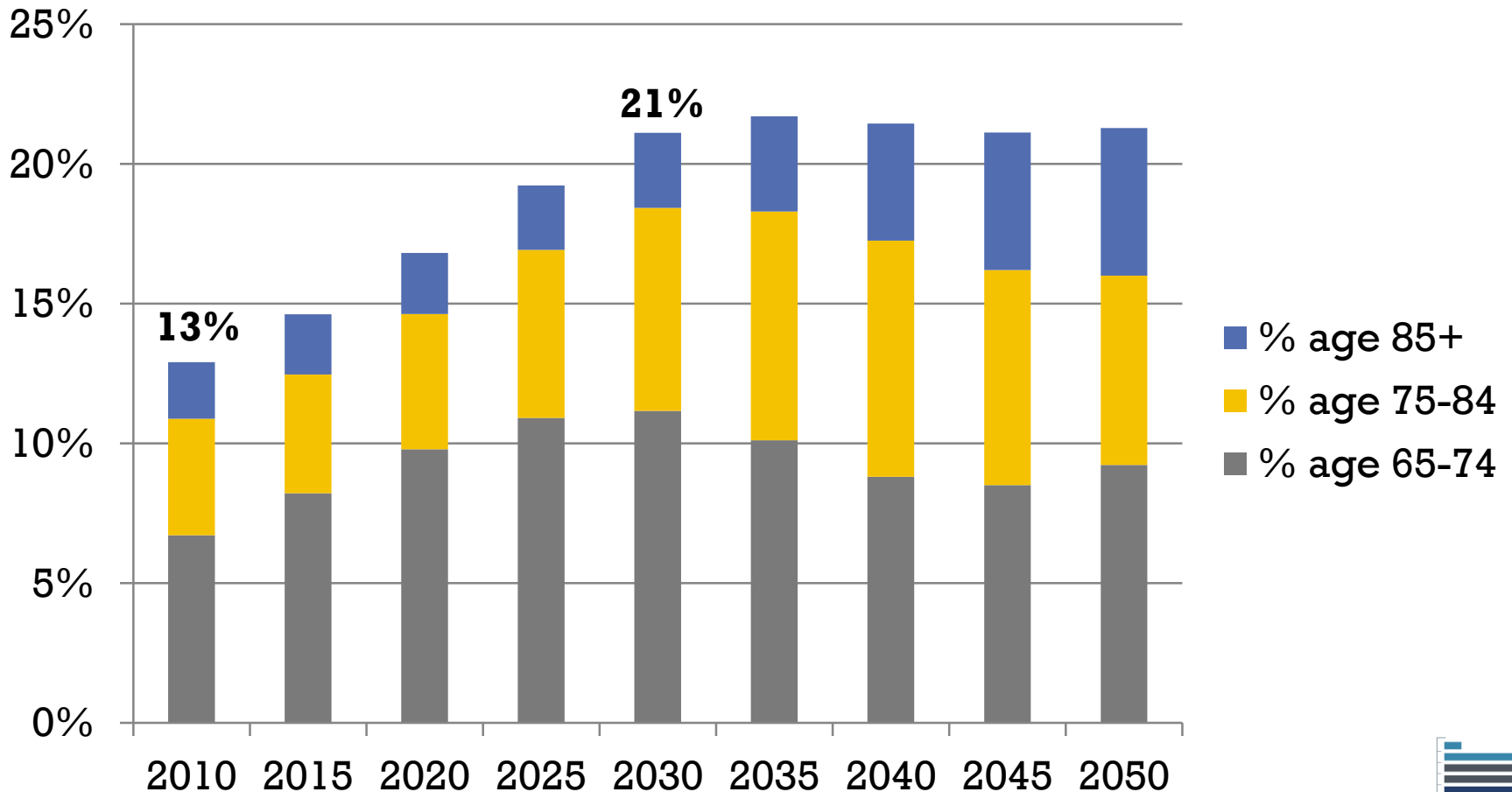


Older adults in Minnesota by age cohort, 2010-2050



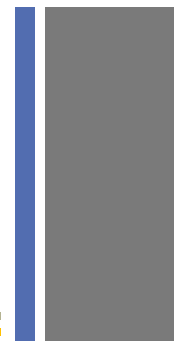


By 2030, more than 1 in 5 Minnesotans will be 65+, including all Baby Boomers

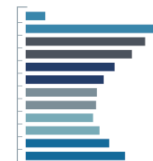
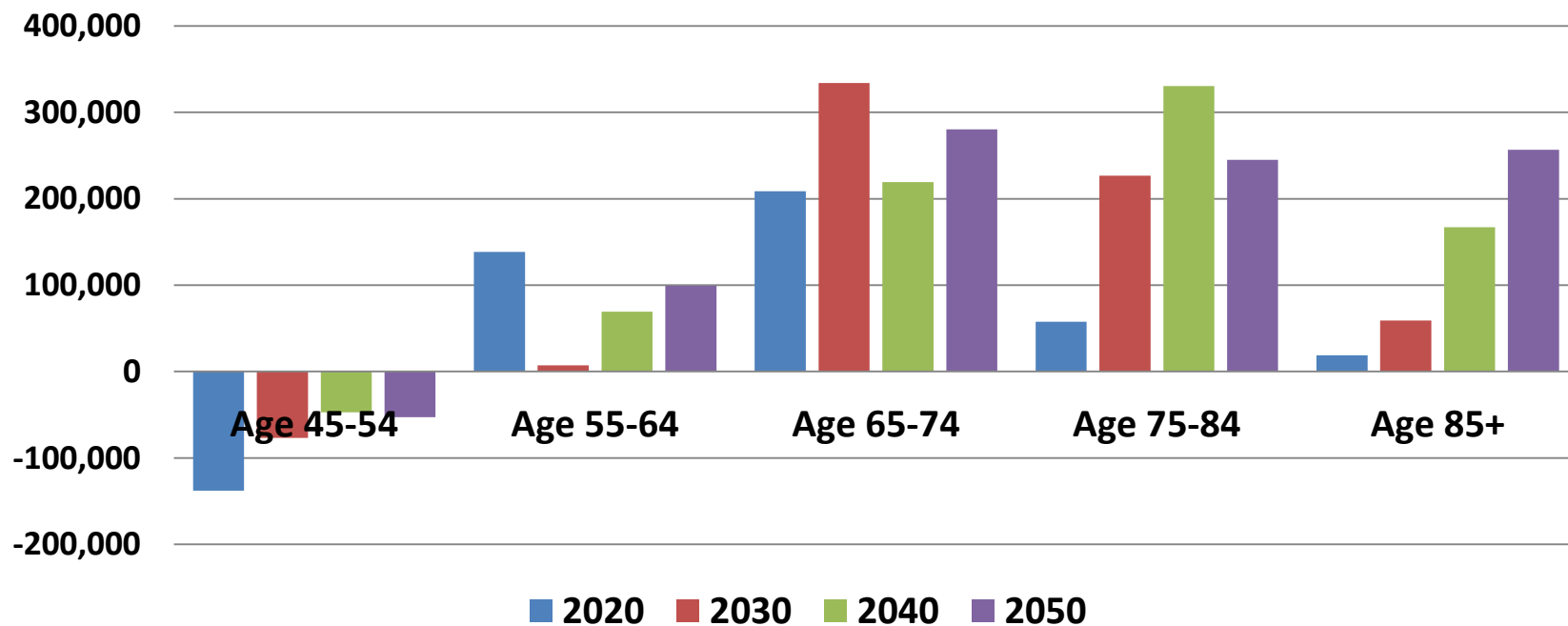




The coming decades will see dramatic growth in older cohorts

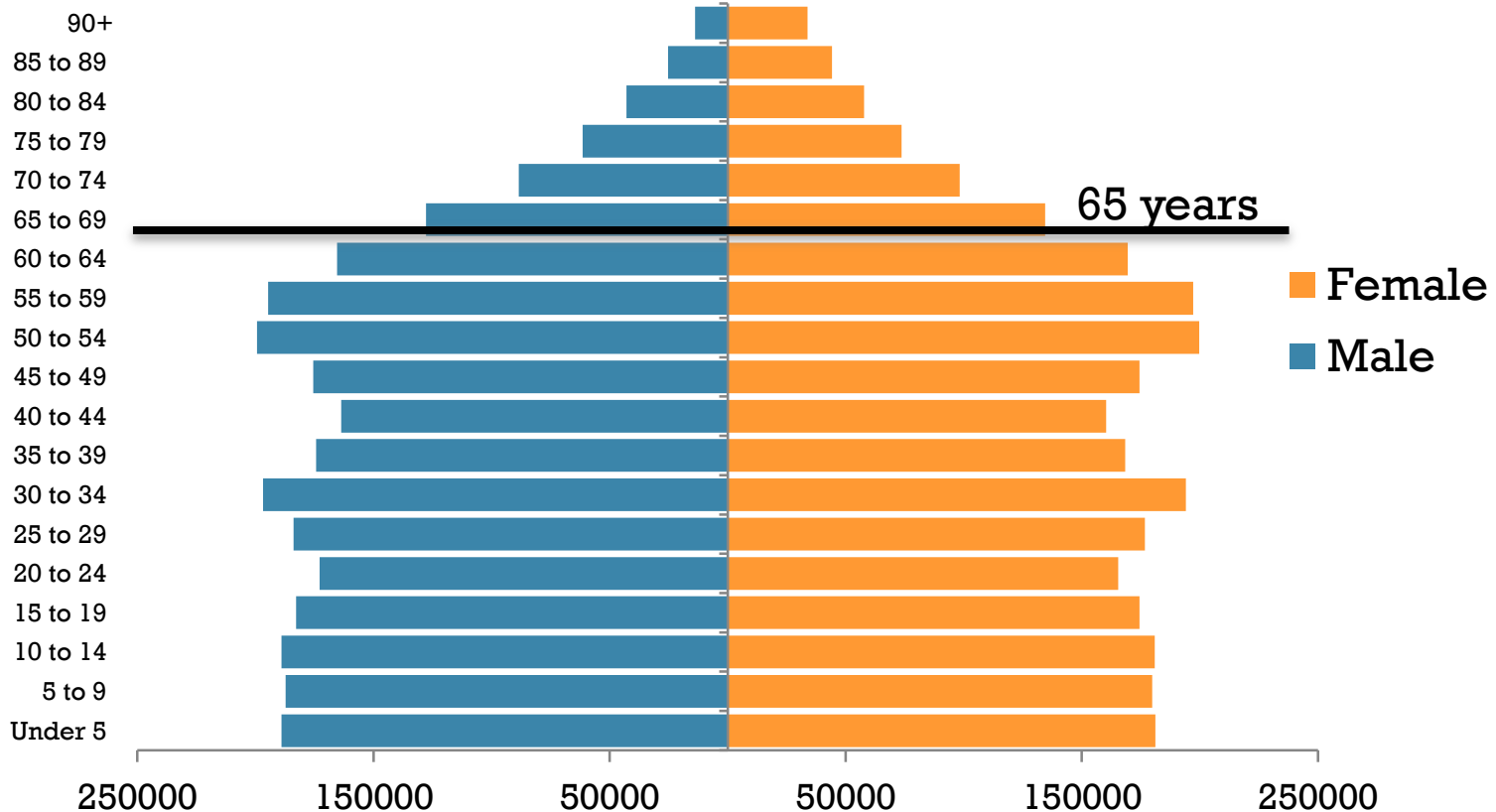


Expected numeric change in people by age cohorts,
between 2010 and given year, Minnesota



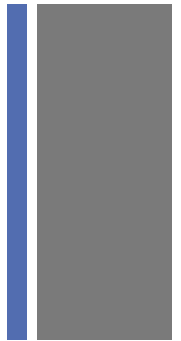
+ What Minnesota looks like... this year

MN population by age and sex, 2015

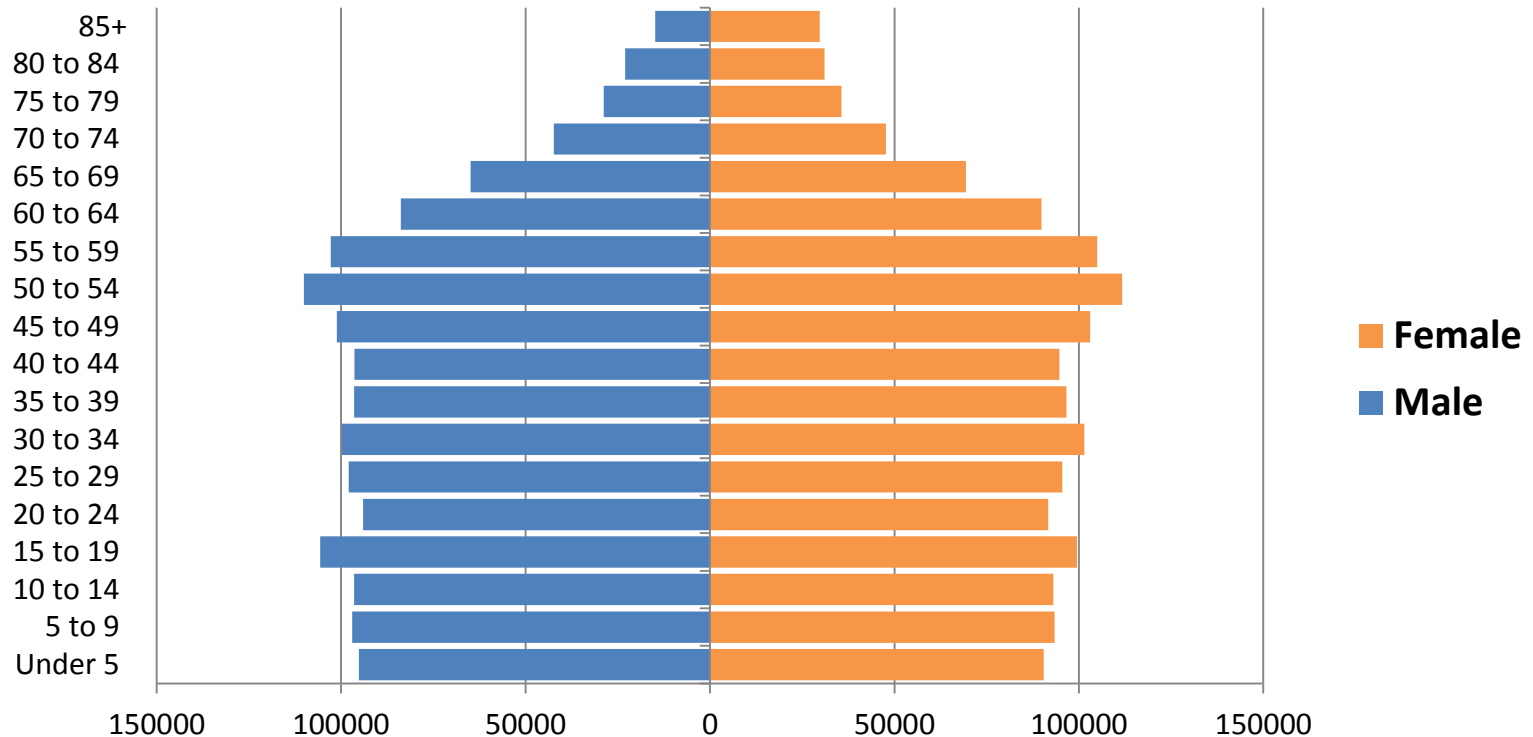




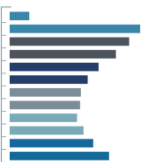
What the Twin Cities 7-county metro looks like... **this year**



Population by age and sex
7-county Twin Cities metro, 2015



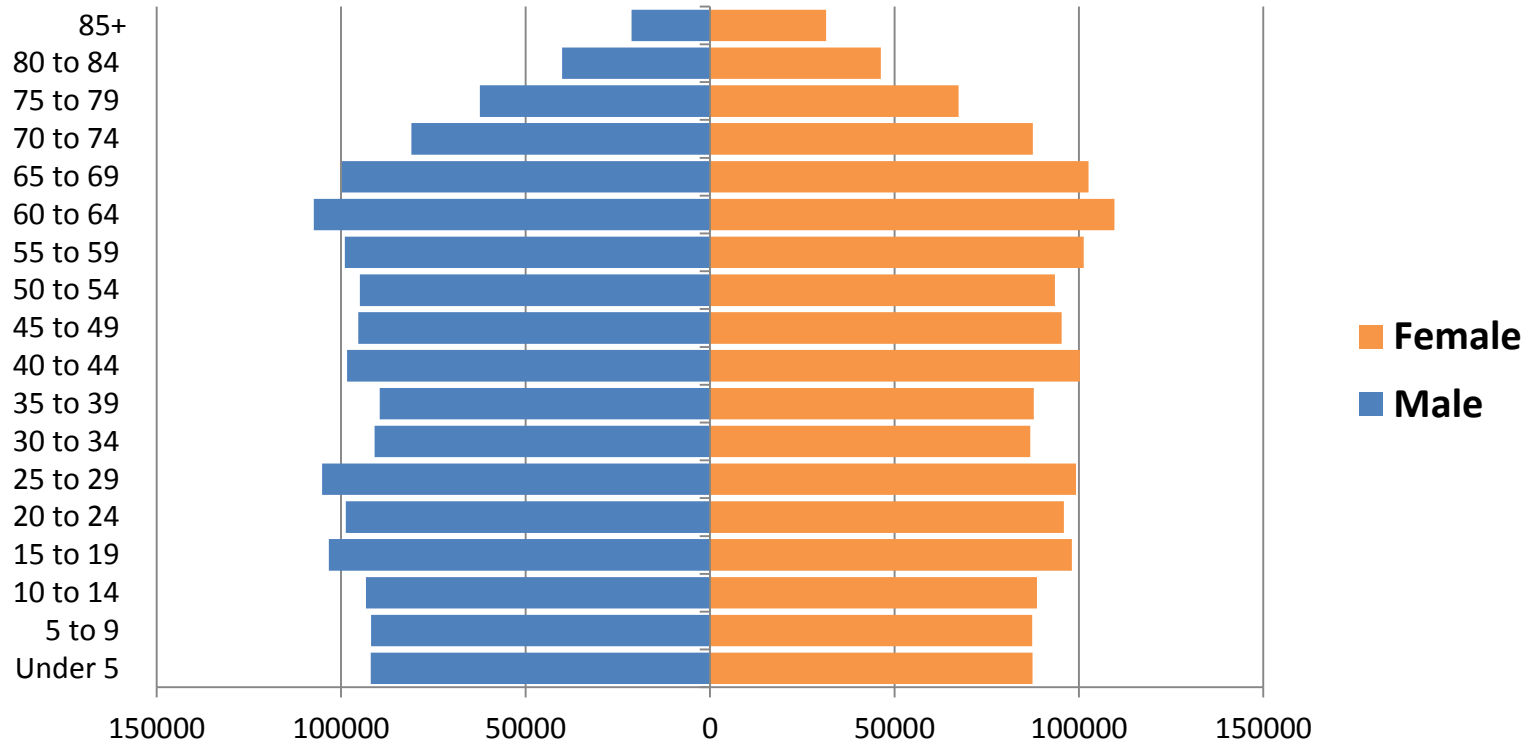
Source: Minnesota State Demographic Center



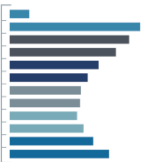


What the Twin Cities 7-county metro will look like... in 11 years

Population by age and sex
7-county Twin Cities metro, 2025

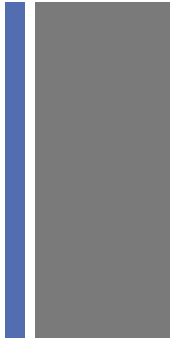


Source: Minnesota State Demographic Center

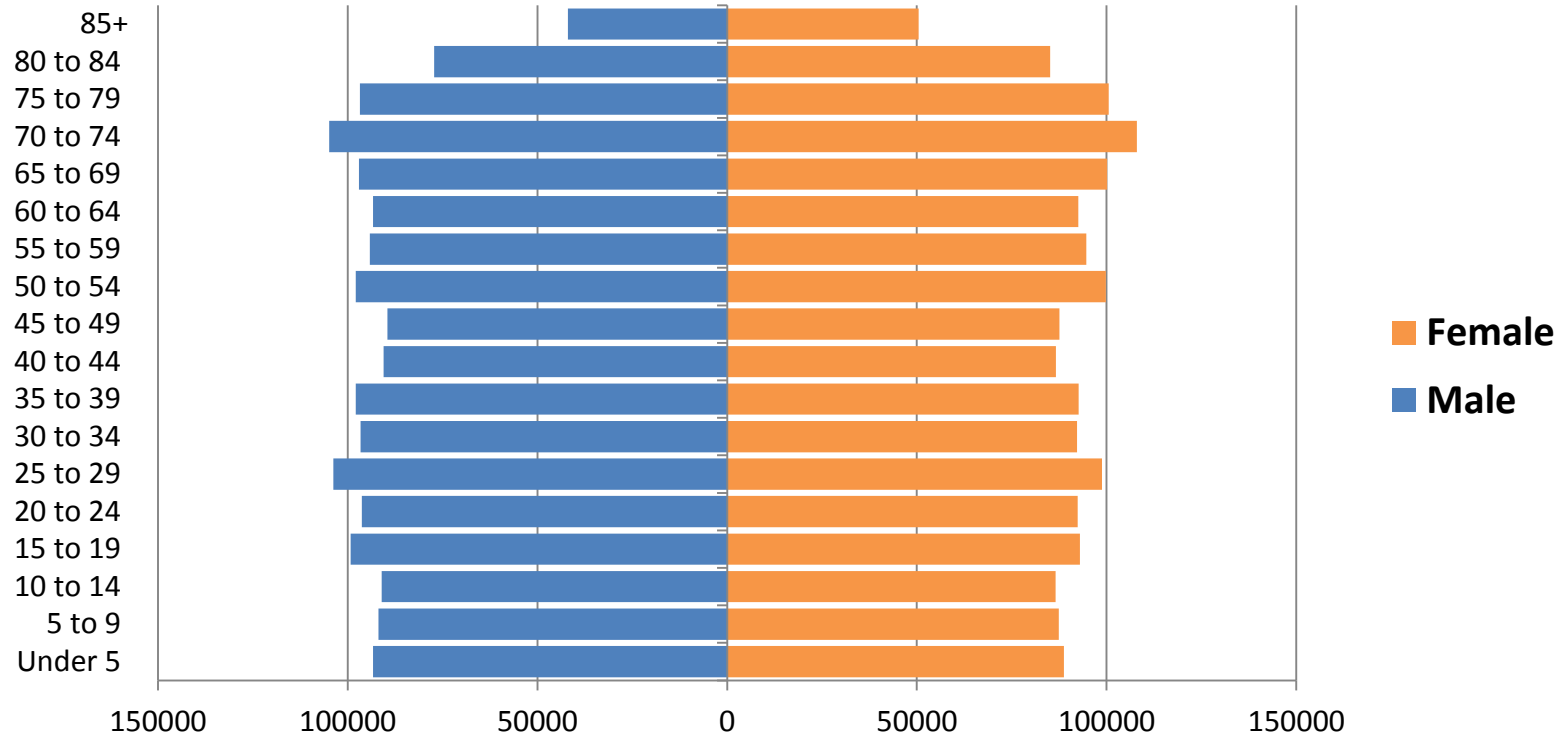




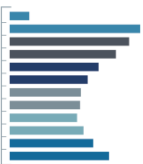
What the Twin Cities 7-county metro will look like... in 21 years



Population by age and sex
7-county Twin Cities metro, 2035

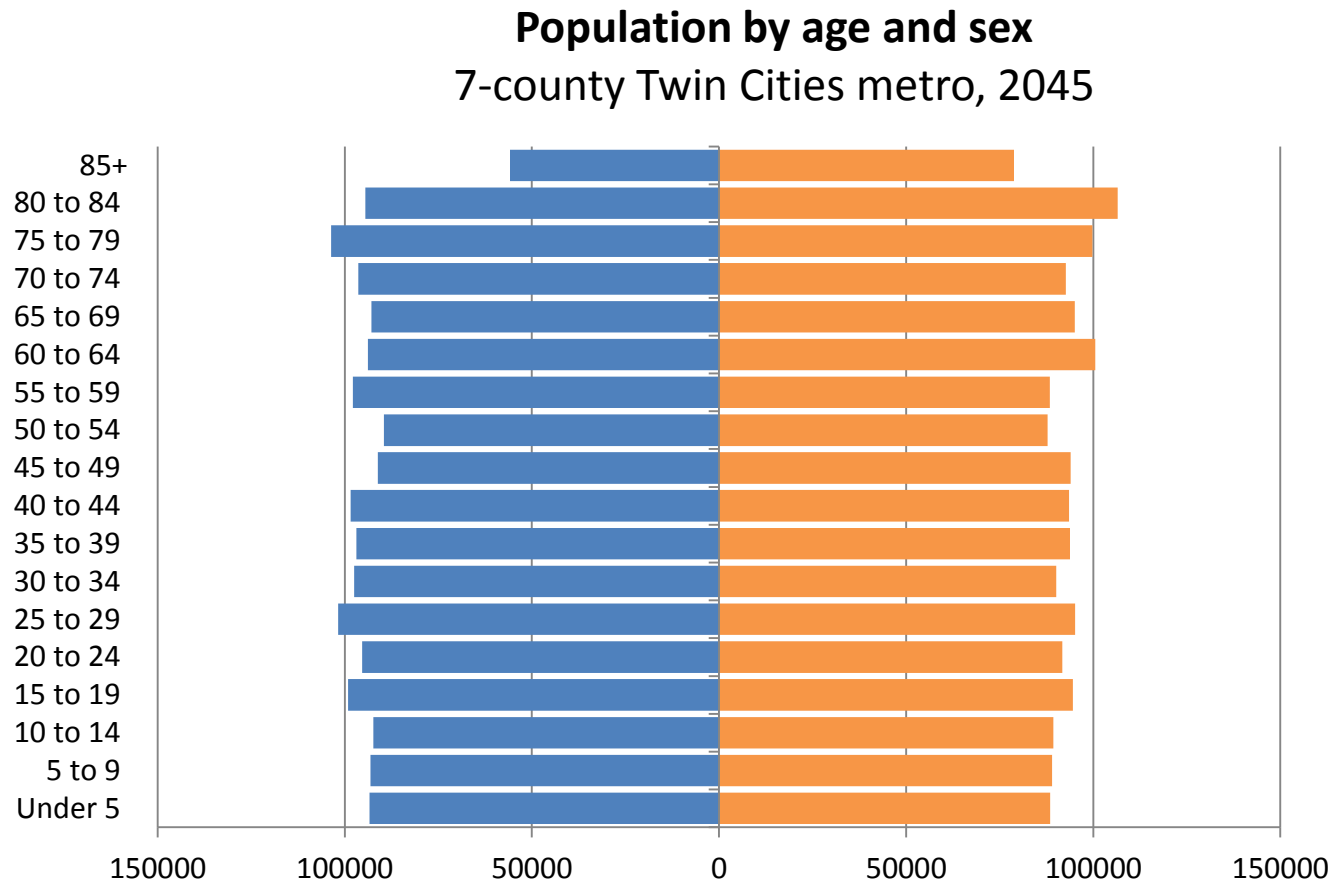
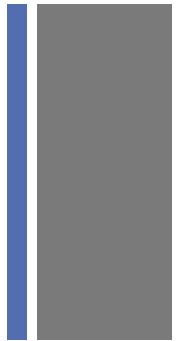


Source: Minnesota State Demographic Center

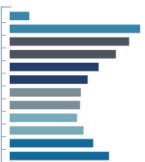




What the Twin Cities 7-county metro will look like... in 31 years



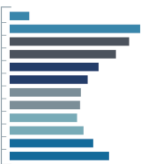
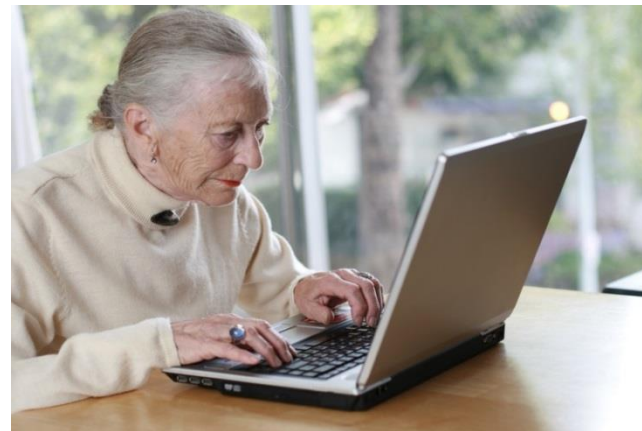
Female
Male





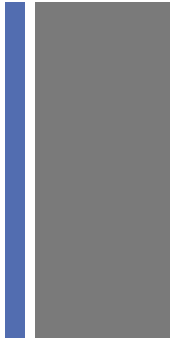
Aging: not what it used to be...

- Minnesota's older adults are healthier, living longer, and working longer than prior generations
 - Life expectancy for Minnesotans age 65 now is 20.1 more years (15.6 years in good health)
 - Variations across racial, educational, other groups
 - Minnesota's Boomers and older adults volunteer in record numbers

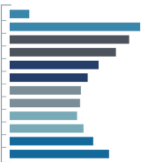




Challenges related to our aging population



- Will we have the workers to form a strong, skilled, highly **productive labor force** as the Boomers retire — for economic growth, tax revenues for needed services, and maintaining a high quality of life in MN?
- Will we have or create sufficient **infrastructure** for more transportation, caregiving, health care, and social support needs, as **health challenges and disabilities increase**, especially when children live far away?
- Will we be able to **finance needed services**, especially long-term care? Private and public medical expenses will increase considerably.

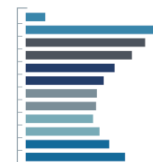
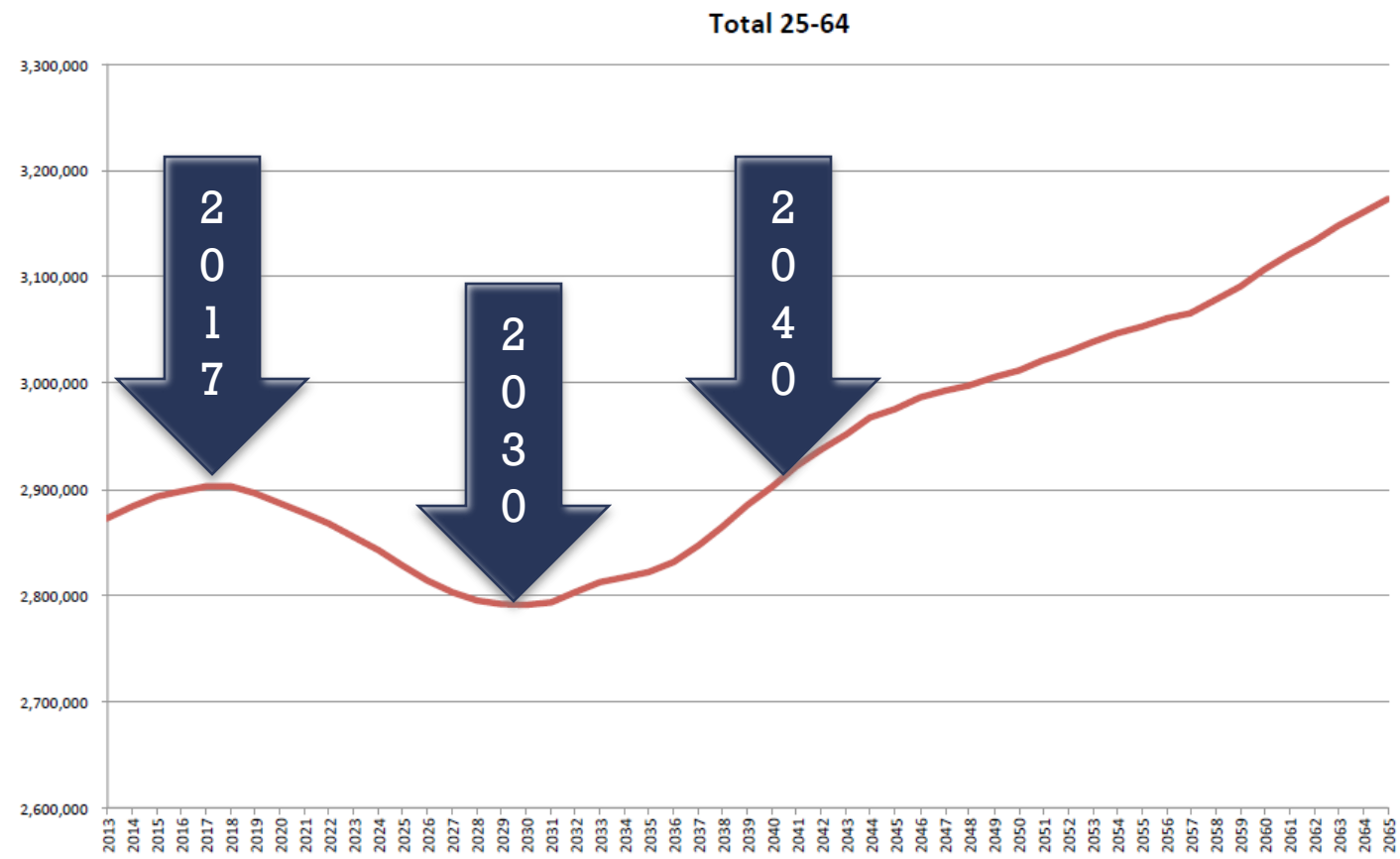




Labor force trends



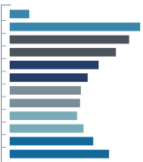
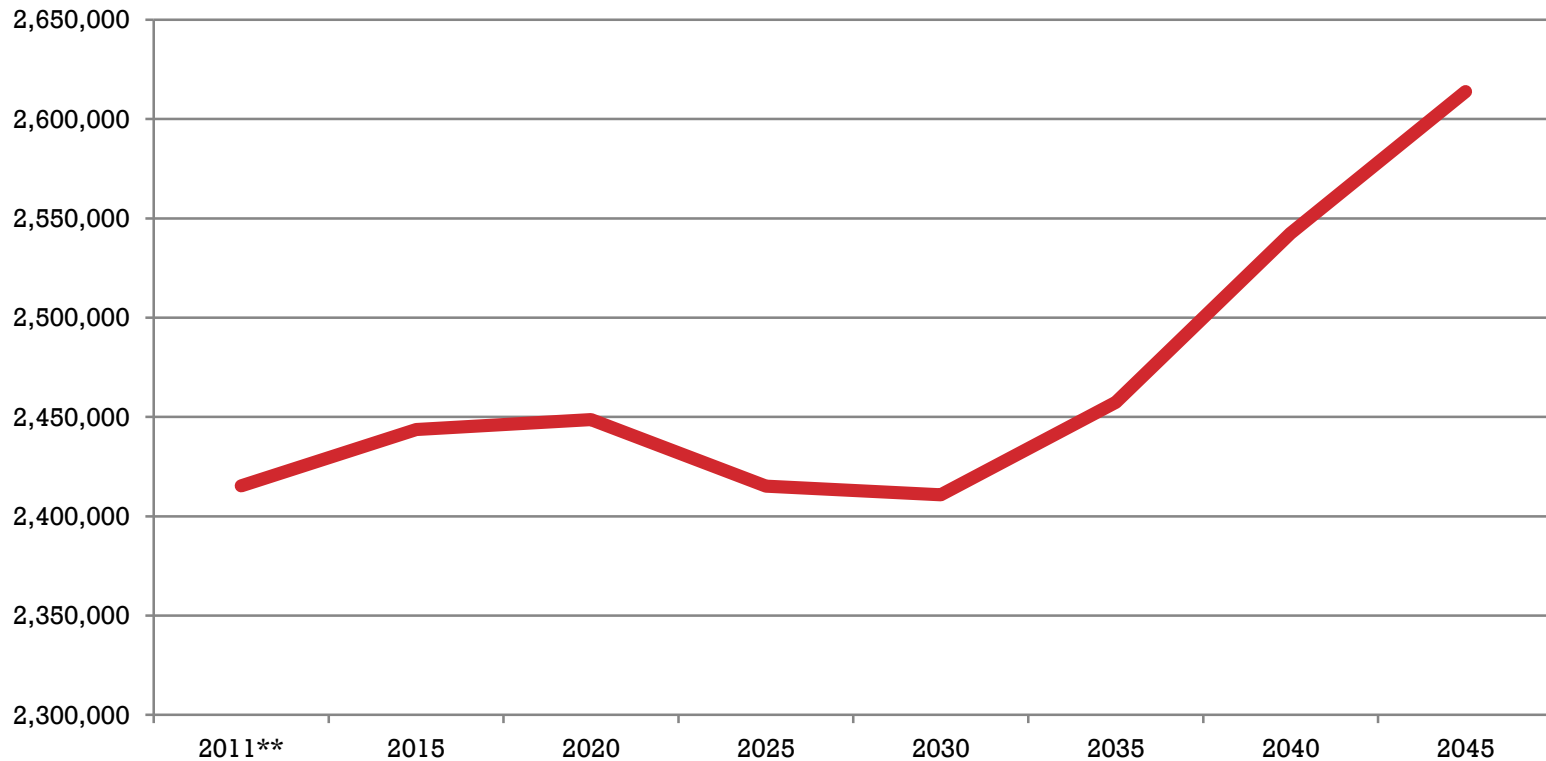
Total 25- to 64-year-olds in MN will dip by about 100,000 individuals





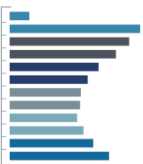
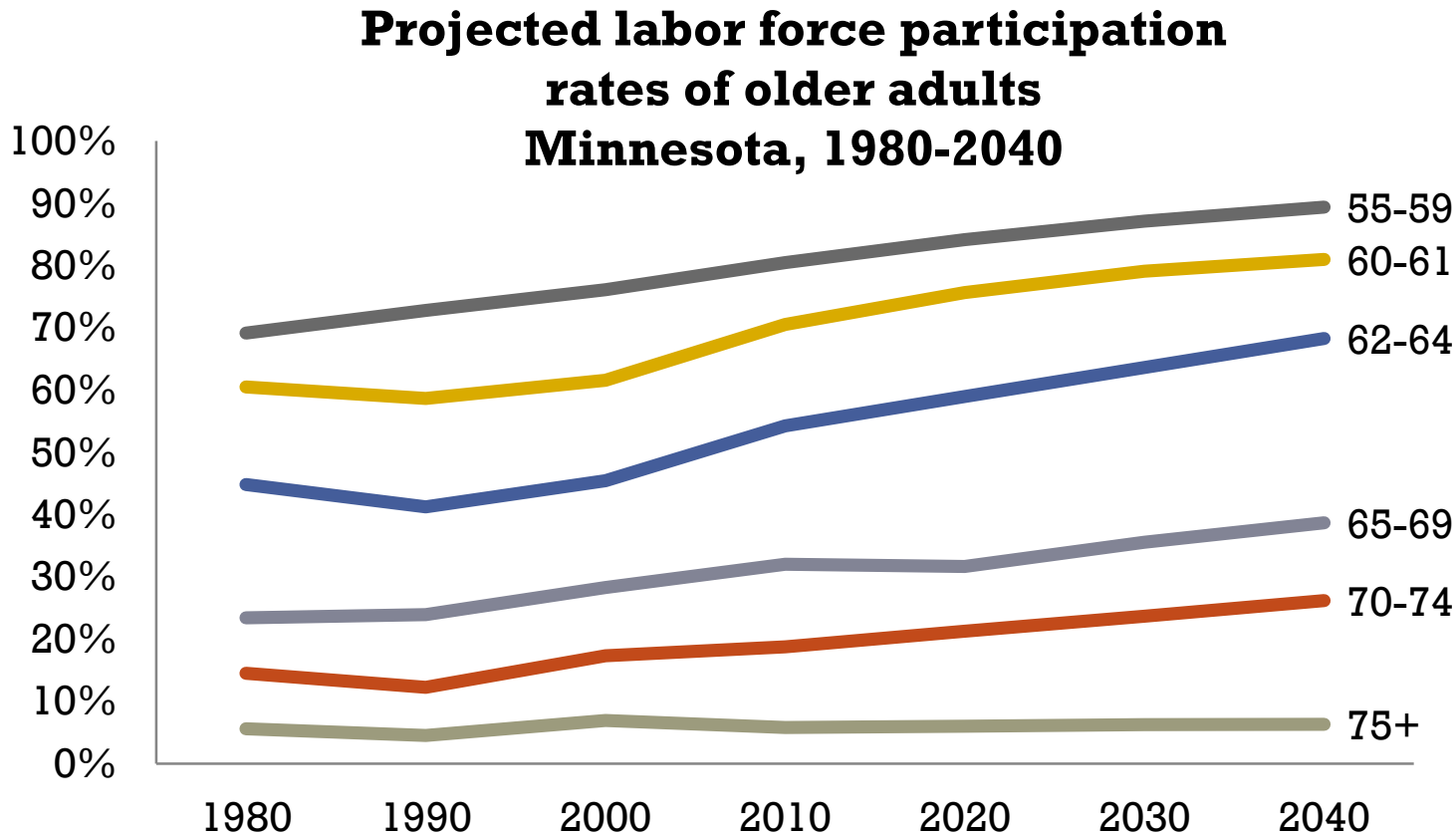
MN labor force participants age 25 to 64 will likely dip by about 40,000

Labor Force Total - Age 25-64



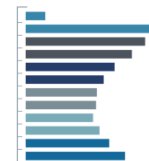
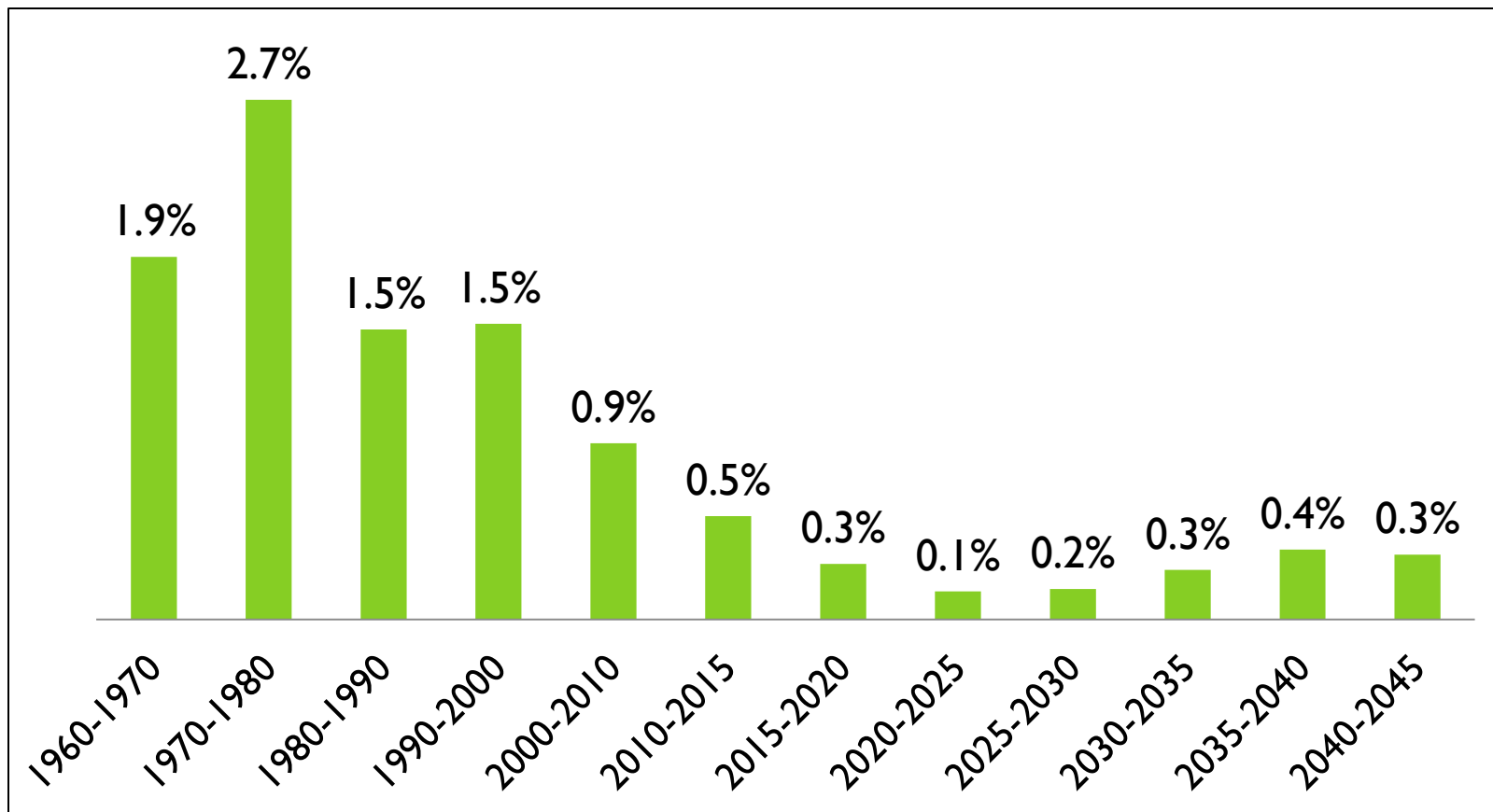


Older adults projected to remain in the labor force longer than before



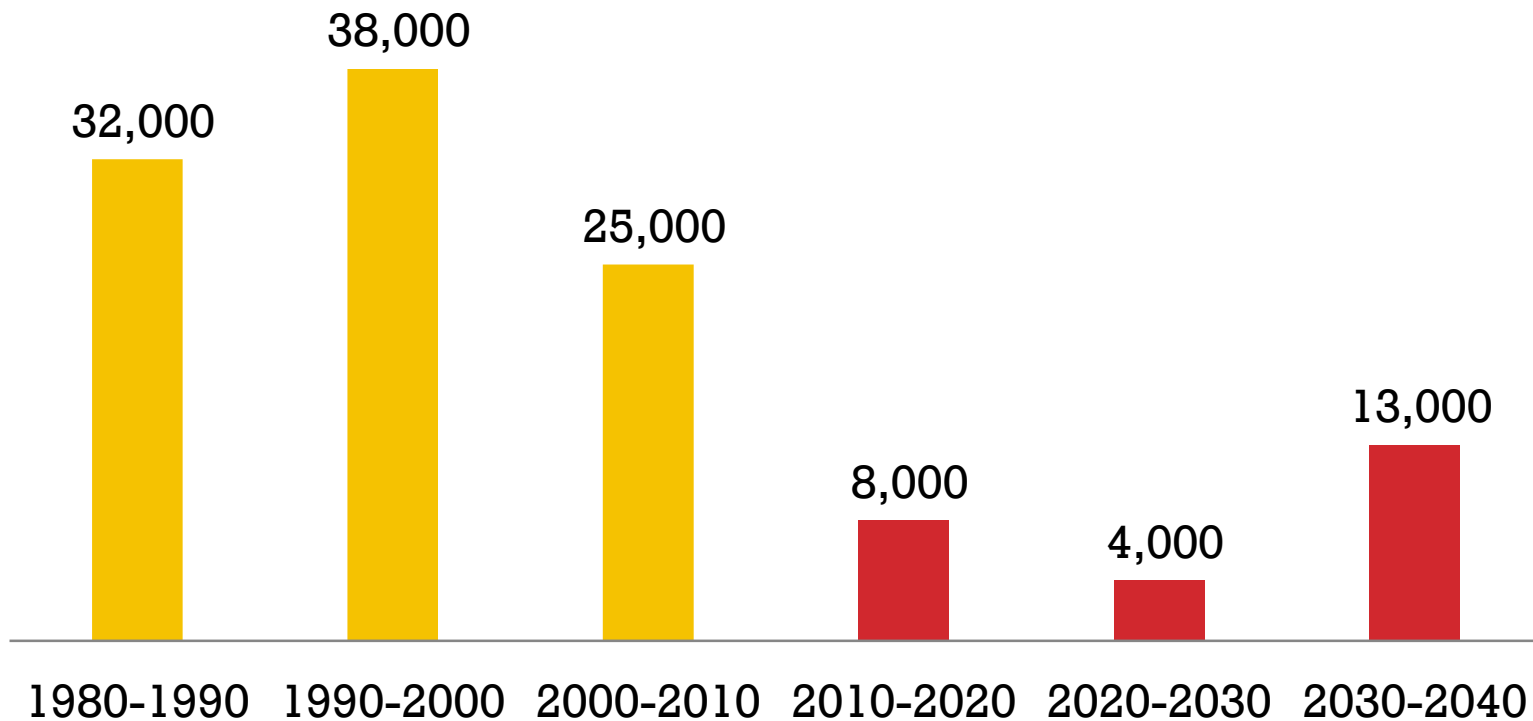


Labor force growth will continue to slow considerably

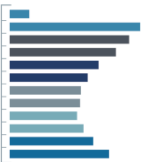




Projected growth in MN labor force (Annual average, ages 16+)



Source: U.S. Census Bureau, Minnesota State Demographic Center Projections





The ratio of retirees to workers has never come as close as it will

2010

1 retiree

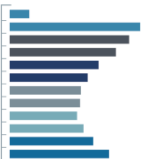
5 workers

2030

1 retiree

3 workers

We need to develop, retain, and attract human capital to compete economically





MN bachelor's degrees yield very different employment outcomes

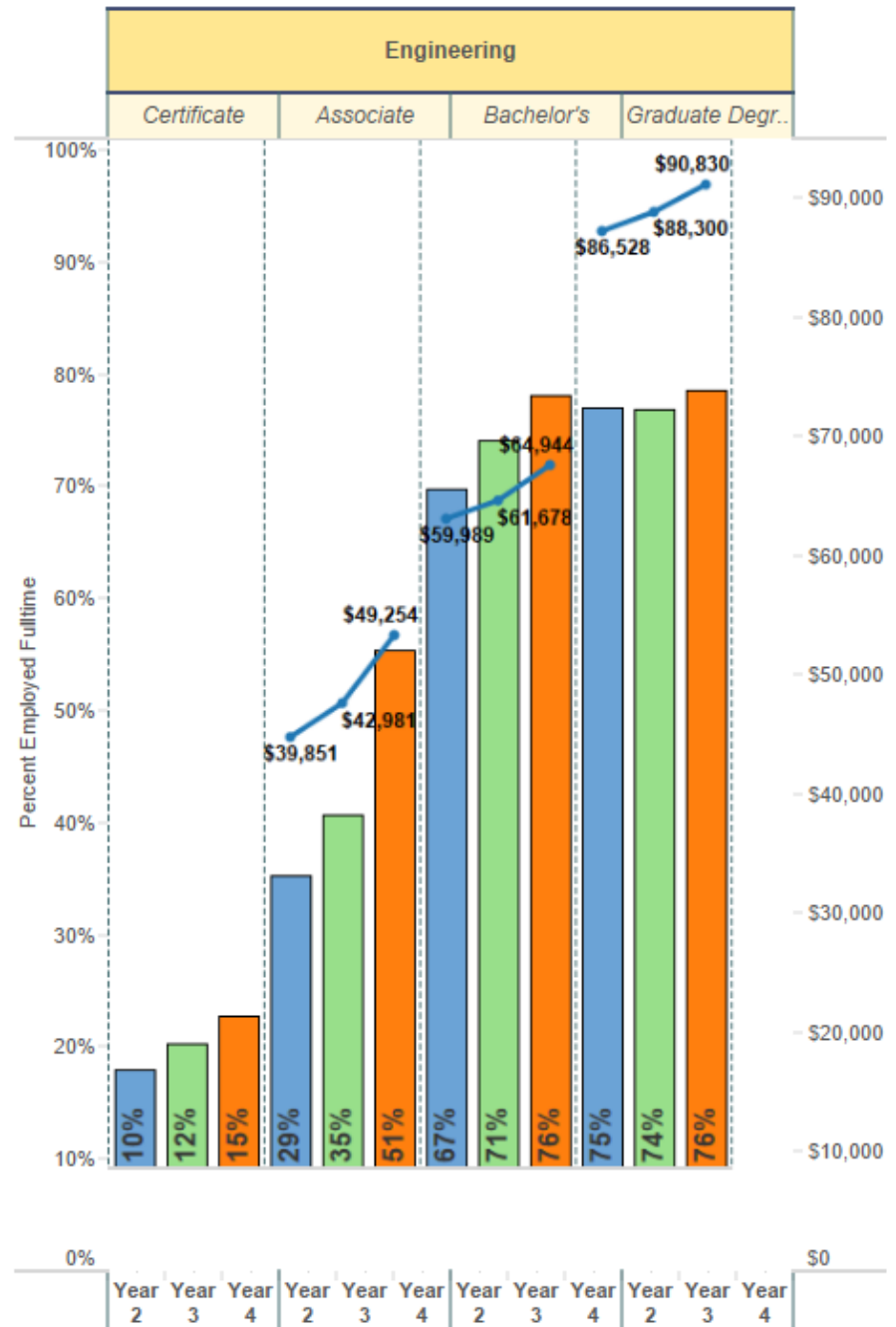
| | Minnesota Bachelor's Degree Awards by Instructional Program | B.A. graduates | Annual median earnings of all employed graduates in 2 nd year after graduation | Percent working F/T & year-round in 2nd Year | Median earnings of F/T employed in 2nd Year |
|----------------|---|----------------|---|--|---|
| Well Aligned | Engineering | 1,200 | \$55K | 69% | \$59K |
| | Computer and information science | 600 | \$52K | 68% | \$56K |
| | Health profession | 2,600 | \$50K | 40% | \$60K |
| | Engineering technologies | 200 | \$48K | 68% | \$52K |
| | Business, management, and marketing | 6,300 | \$39K | 64% | \$45K |
| Poorly Aligned | Visual and performing arts | 1,600 | \$18K | 29% | \$31K |
| | Transportation and materials moving | 100 | \$18K | 35% | \$26K |
| | Area, ethnic, cultural, gender, and group studies | 200 | \$18K | 28% | \$30K |
| | History | 400 | \$17K | 29% | \$34K |
| | Theology and religious vocations | 300 | \$16K | 30% | \$33K |

Source: Steve Hine, Research Director, Labor Market Information Office, MN Department of Employment and Economic Development, via Graduate Employment Outcomes tool , online at: <http://mn.gov/deed/data/data-tools/graduate-employment-outcomes/>



Good employment outcomes for MN engineers from classes of 2007, 2008 & 2009

Source: MN Department of Employment and Economic Development, via Graduate Employment Outcomes tool, online at: <http://mn.gov/deed/data/data-tools/graduate-employment-outcomes/>



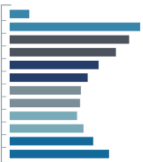
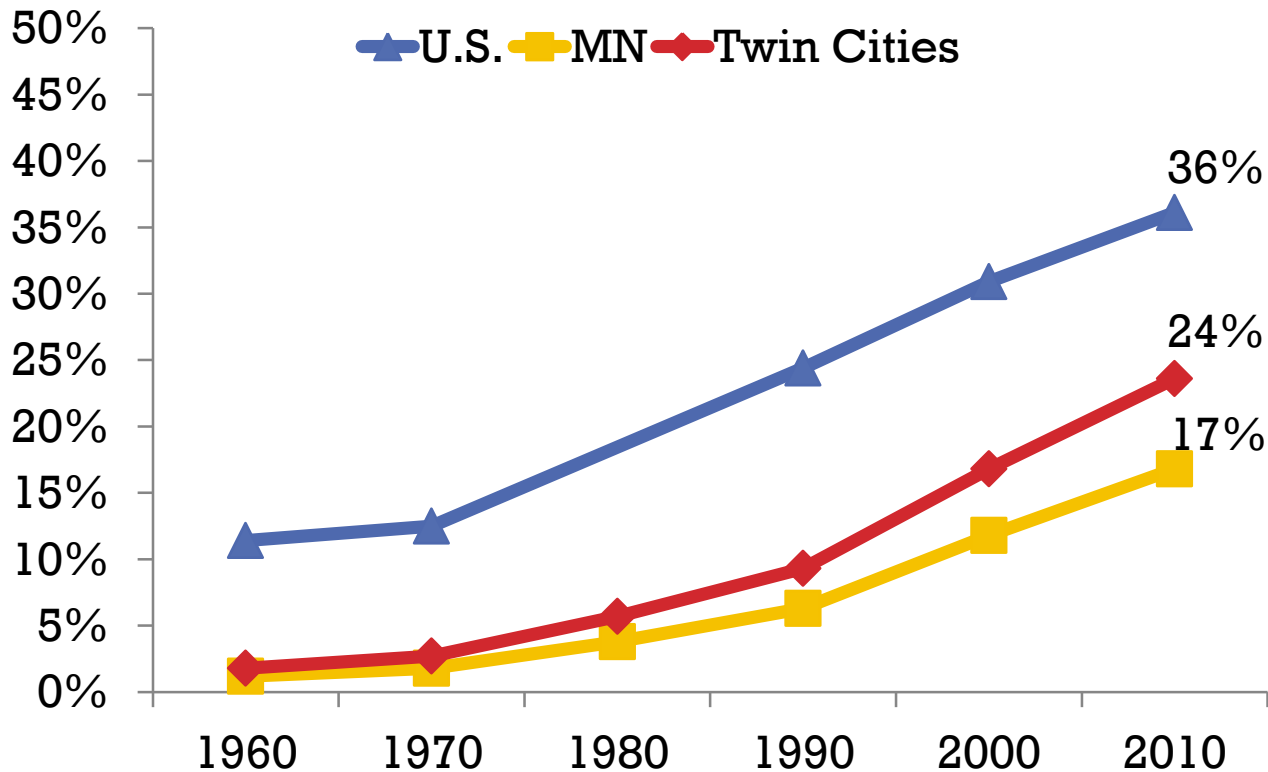


Diversity & Immigration



50 years of growing diversity in our metro, state and nation

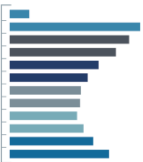
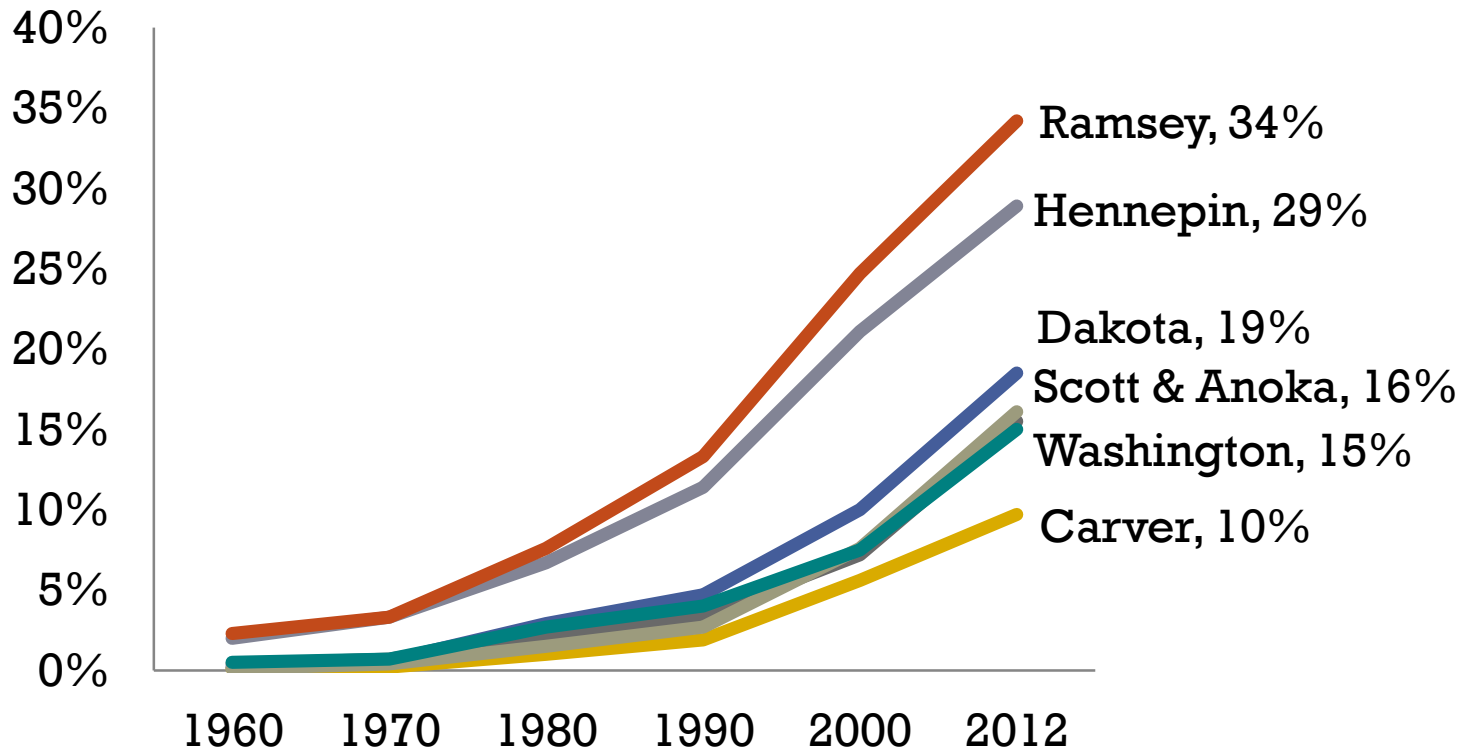
Percent Of Color, 1960-2010





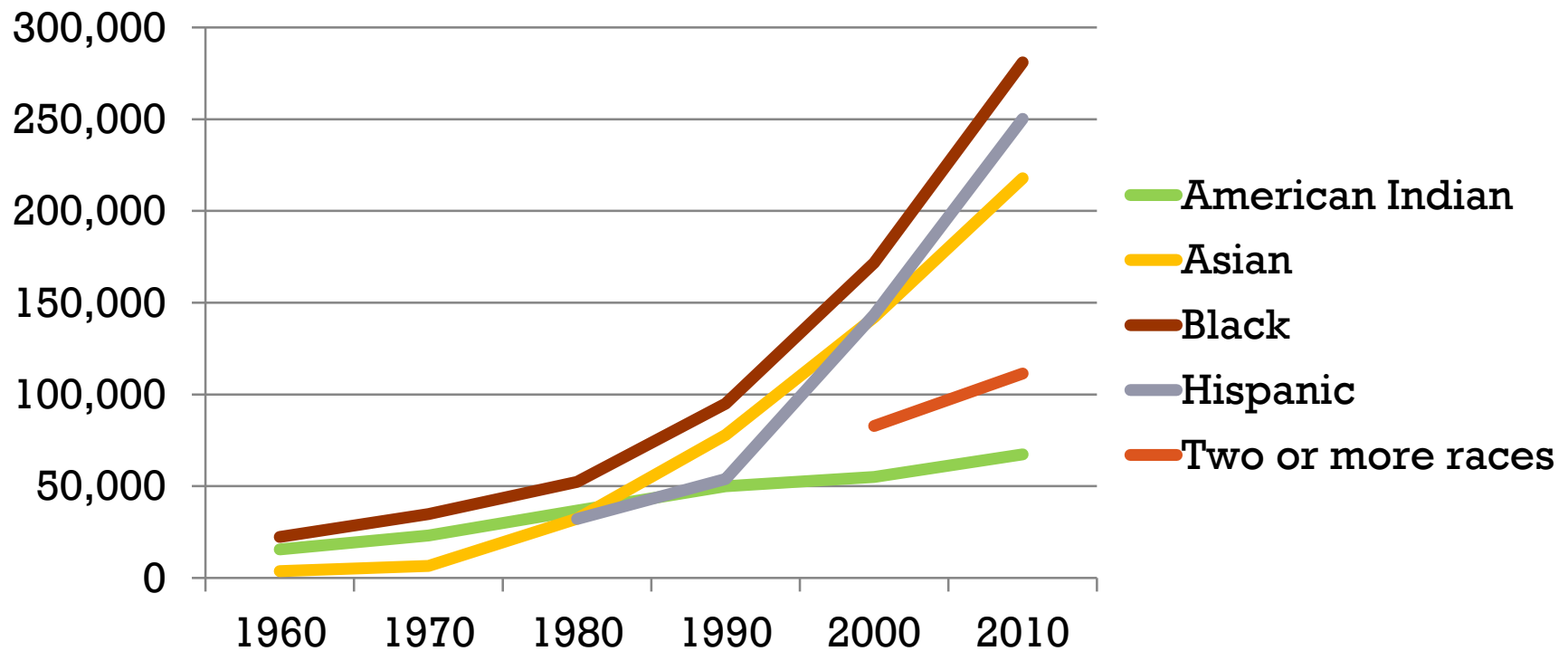
Diversity in the metro counties

Percent Persons of Color Twin Cities 7-County Metro



Black, Latino and Asian populations growing rapidly

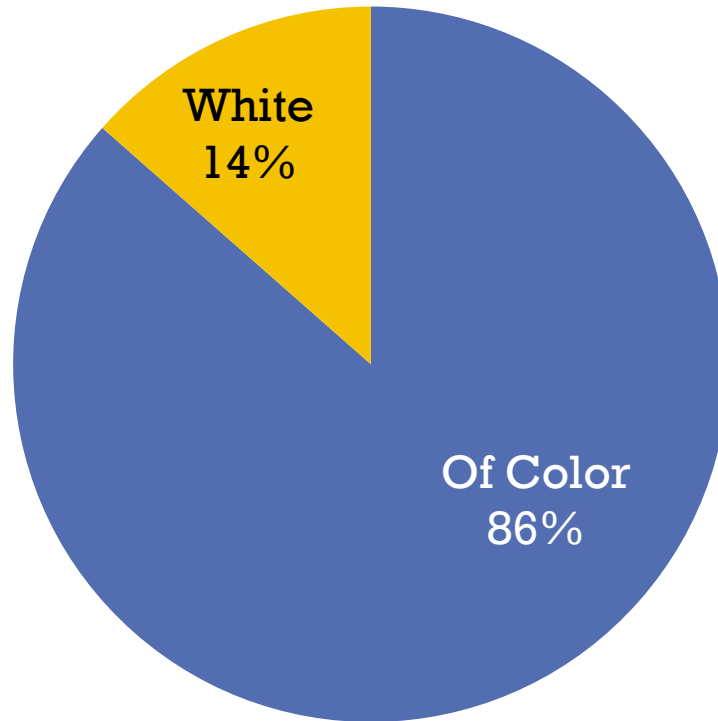
Populations of color, MN



Source: Tabulated by the Minnesota State Demographic Center from the Integrated Public Use Microdata Series

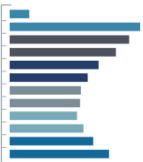


Between 2000 and 2010 most of MN's growth was from populations of Color



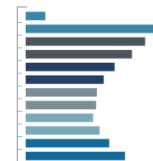
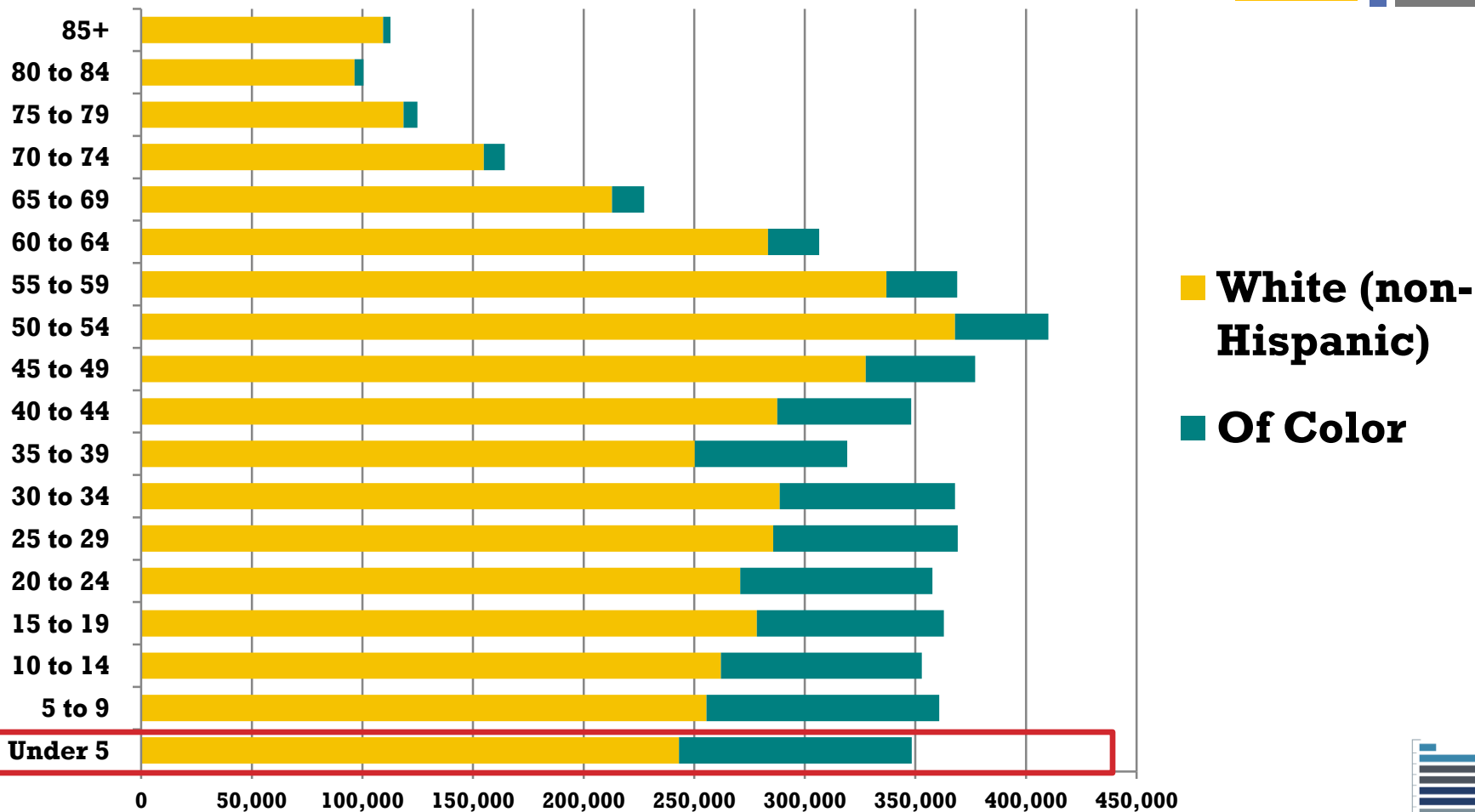
350,000 more Minnesota residents in 2010 than in 2000

Source: U.S. Census Bureau





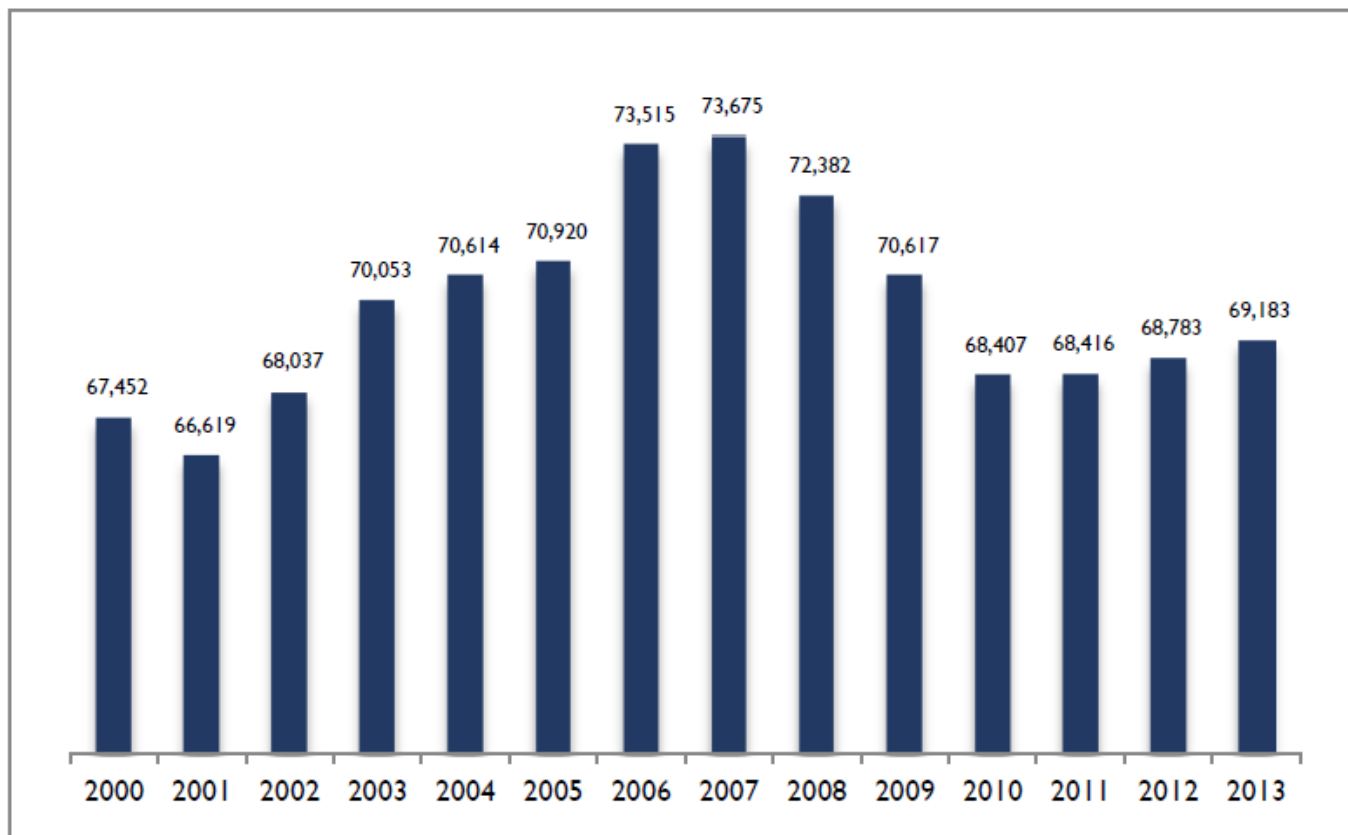
Minnesota's population by age groups, 2012



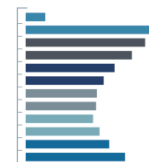


Births in MN yet to return to pre-recession peak in 2007

Figure 1: Total Births in Minnesota, 2000-2013



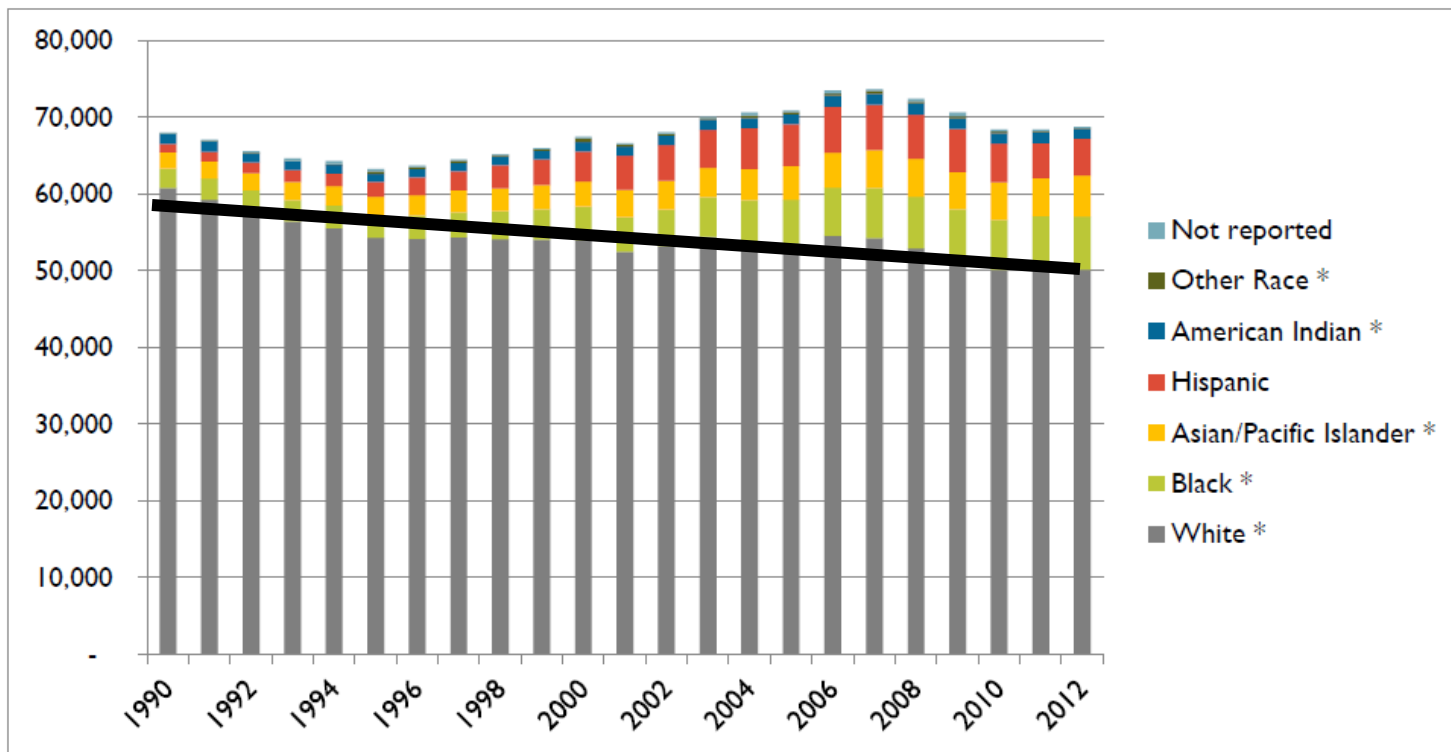
Source: Minnesota Department of Health, Vital Statistics.





All of the increase in MN births since 1990 has been to mothers of color

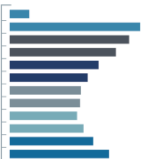
Figure 4: Total Births by Race of Mother, Minnesota, 1990-2012



Source: Minnesota Department of Health, Vital Statistics; U.S. Census Bureau, Population Estimates.

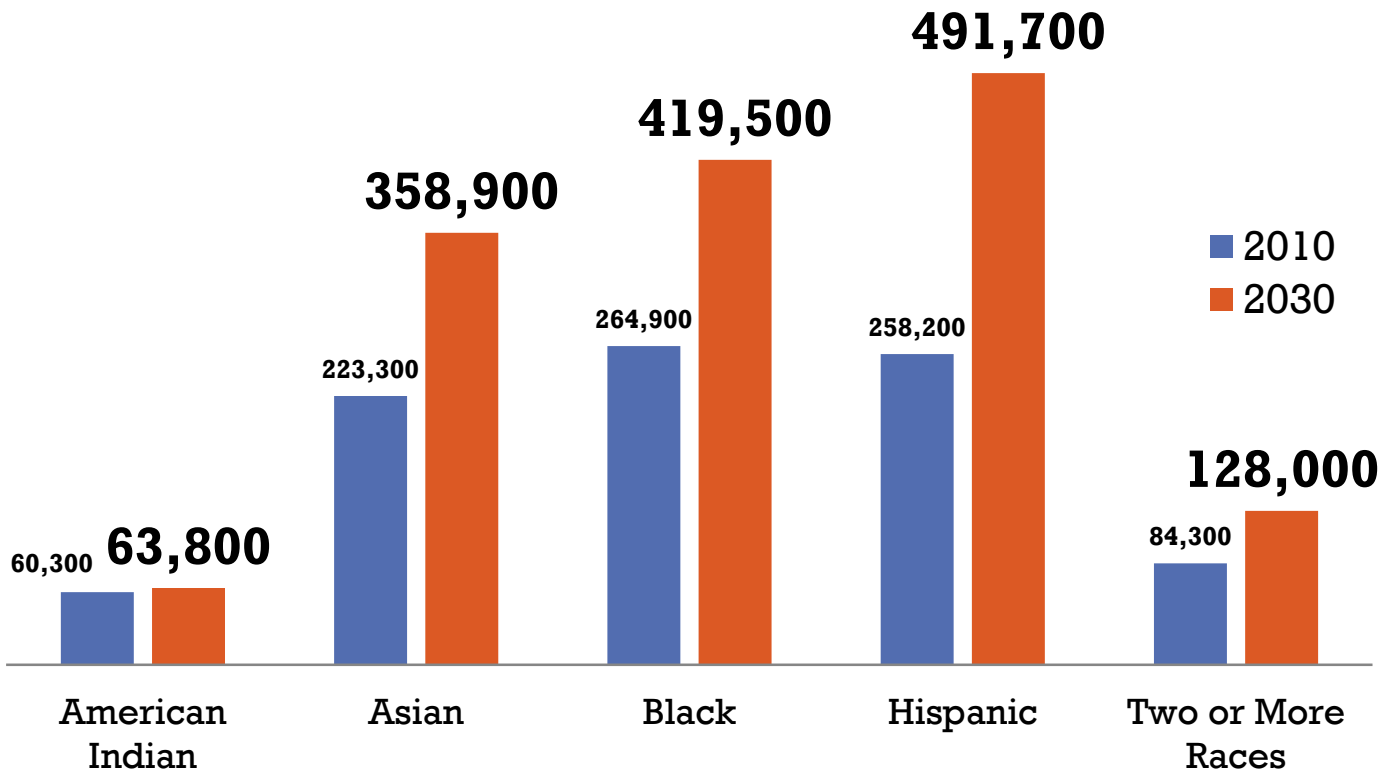
* Groups are non-Hispanic. "Other race" includes unknown race, but indicated non-Hispanic ethnicity. "Hispanic" may be of any race, including unknown race but Hispanic ethnicity indicated.

"Not reported" includes mothers who did not indicate race, nor ethnicity.

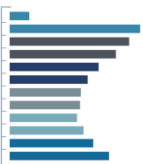




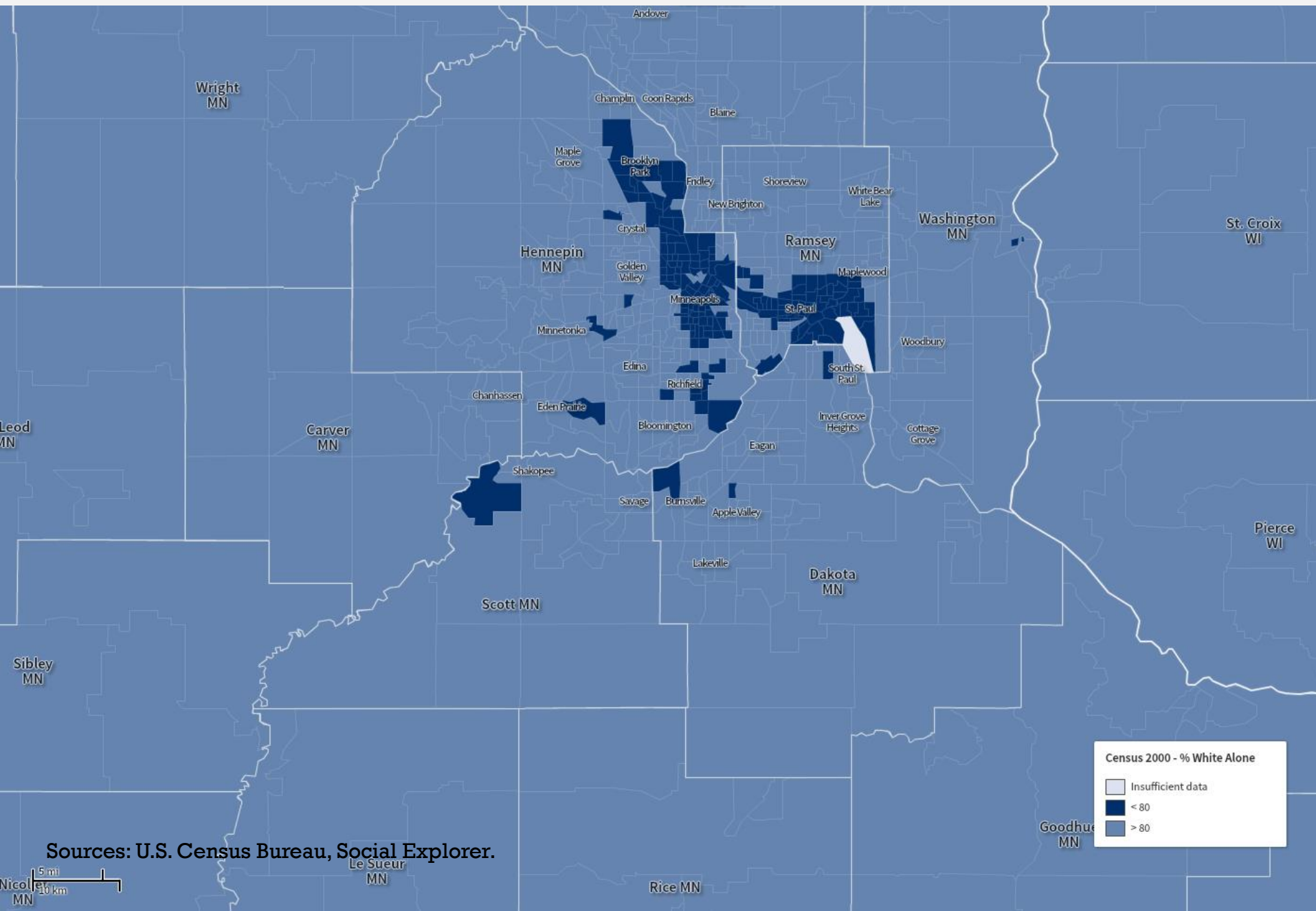
MN: Largest growth among Asian, Black and Hispanic groups by 2030



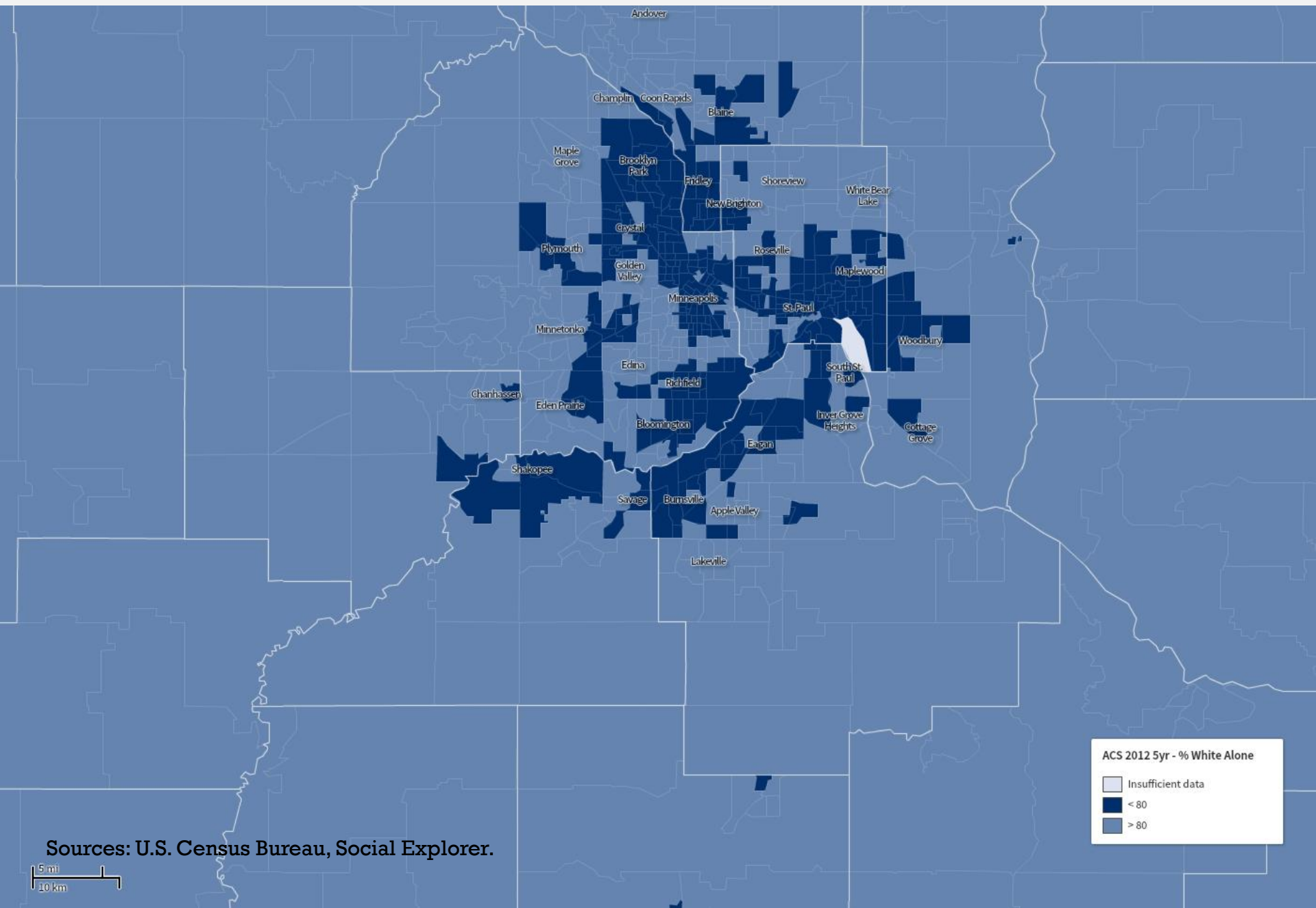
Source: Minnesota State Demographic Center projections.



Populations of Color > 20% in 2000



Populations of Color > 20% in 2008-2012

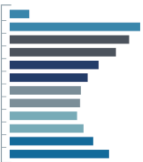




In Minnesota

- 4 in 10 Black children,
- 4 in 10 American Indian children
- 3 in 10 Hispanic children
- 2 in 10 Asian children, and
- <1 in 10 White children

LIVED IN POVERTY IN 2013





Which MN kids are leaving high school in 4 years with a diploma? (2013 data)

- 79% of all high school students (2009: 74%) + 5 pts
- 49% of American Indian students (2009: 41%) + 8 pts
- 78% of Asian students (2009: 68%) + 10 pts
- 58% of Hispanic students (2009: 43%) + 15 pts
- 57% of Black students (2009: 43%) + 14 pts
- 85% of White students (2009: 82%) + 3 pts
- 77% of boys (2009: 72%) + 5 pts
- 82% of girls (2009: 77%) + 5 pts

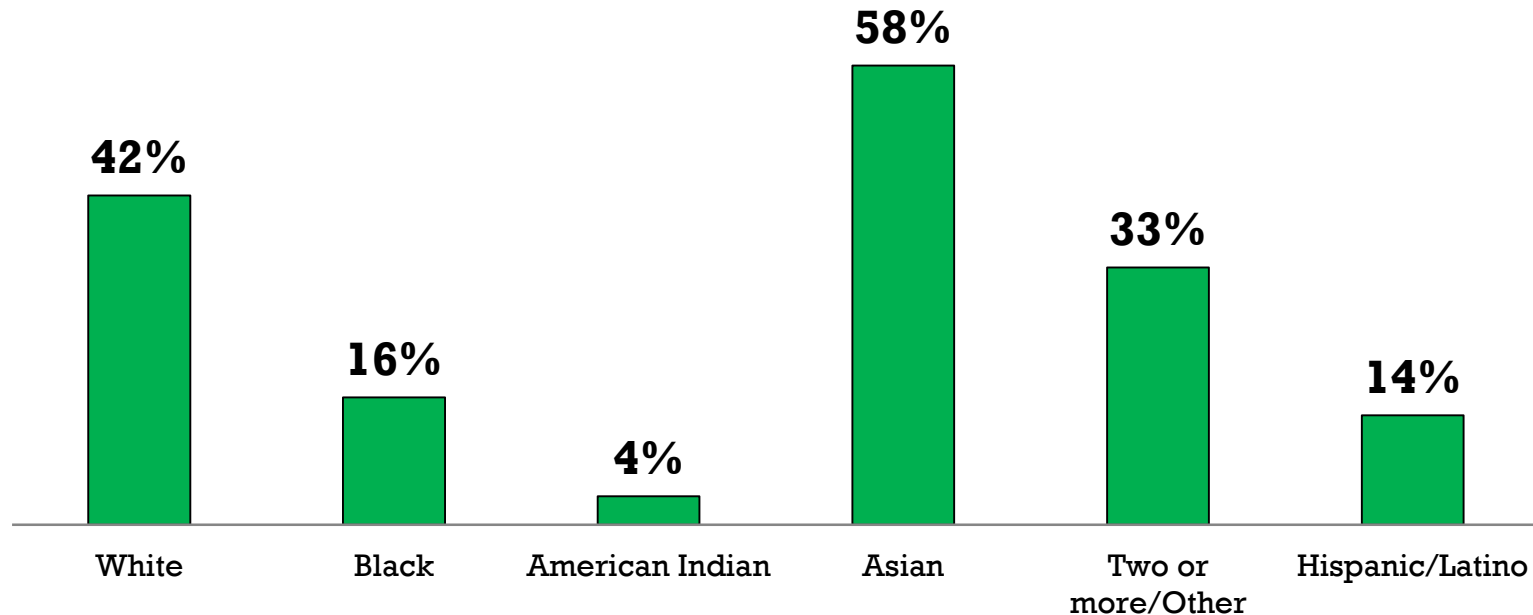
Two fastest
growing
demographic
groups in MN



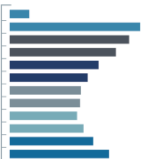


Wide racial gaps in educational attainment persist in Minnesota

Percent of young adults (age 25-34) with a B.A. or higher, 2010-2012



Source: Tabulated by the State Demographic Center from the Integrated Public Use Microdata Series



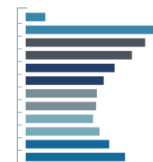
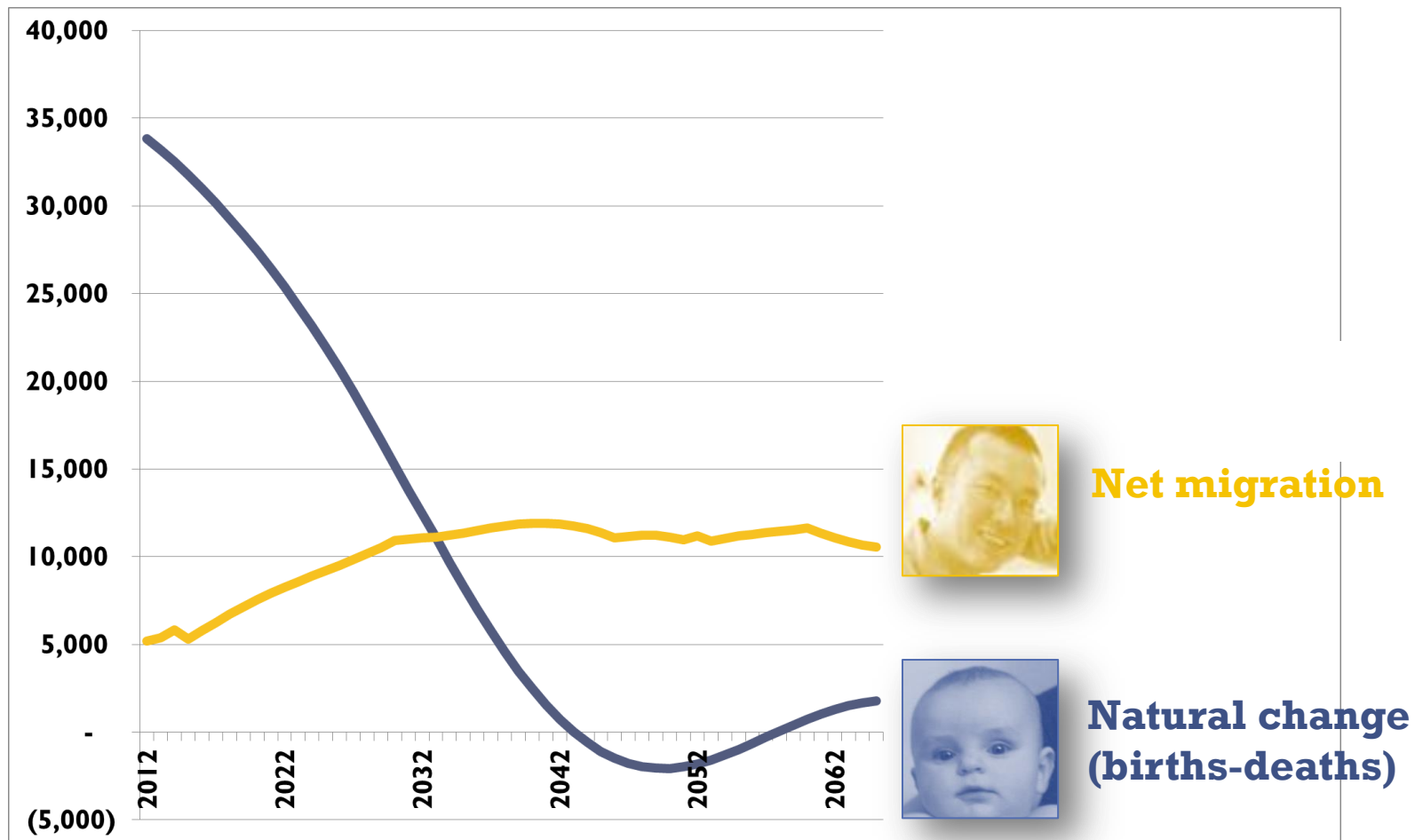
Migration trends



See our new “Minnesota on the Move” special report on migration – available off our homepage at mn.gov/demography

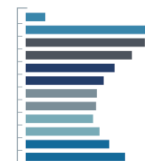
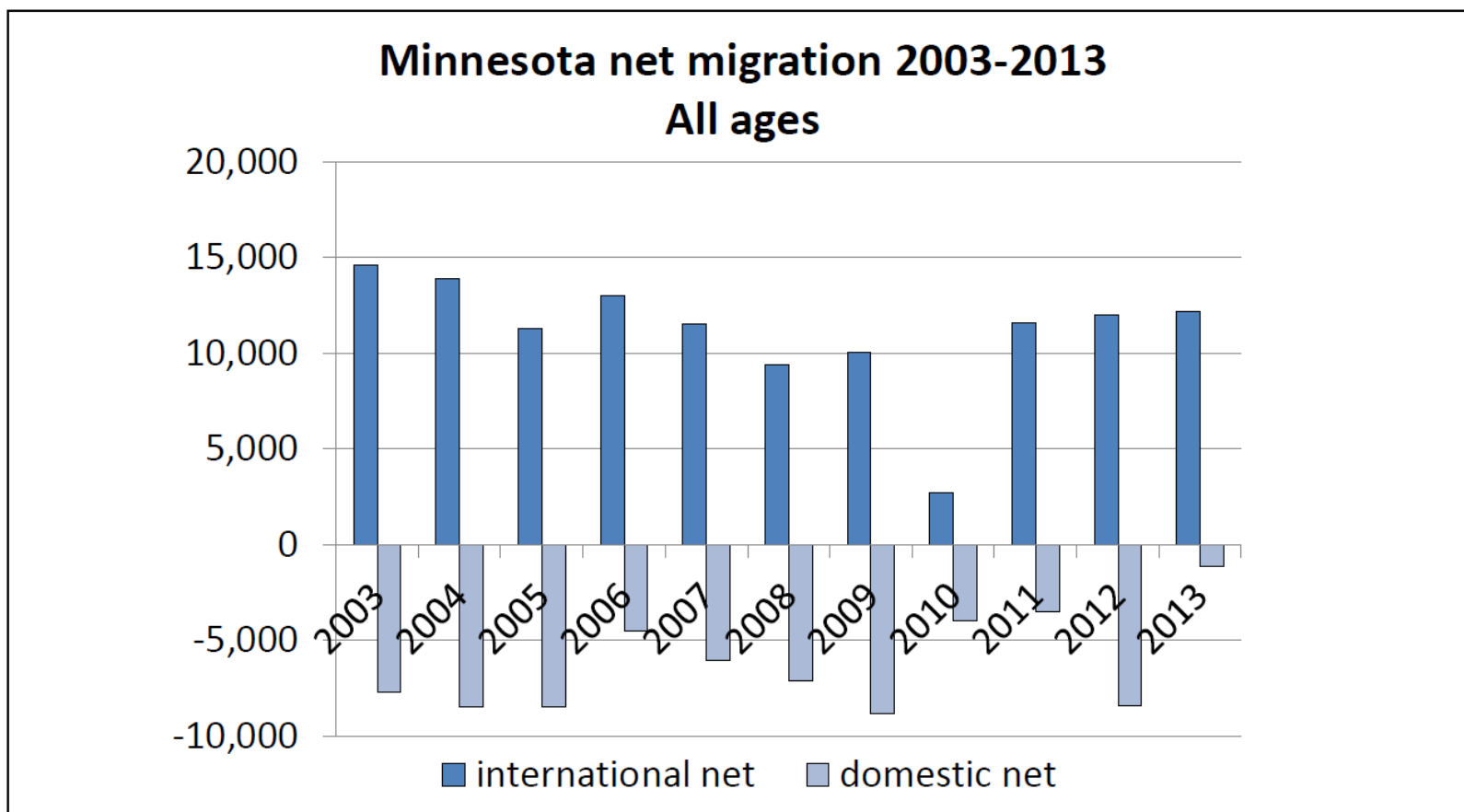


Net migration will become the major driver of our state's growth





Net domestic migration has been negative during past decade+

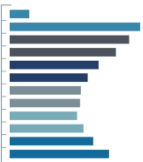




Domestic Migration (Net)

-500,000 565,000

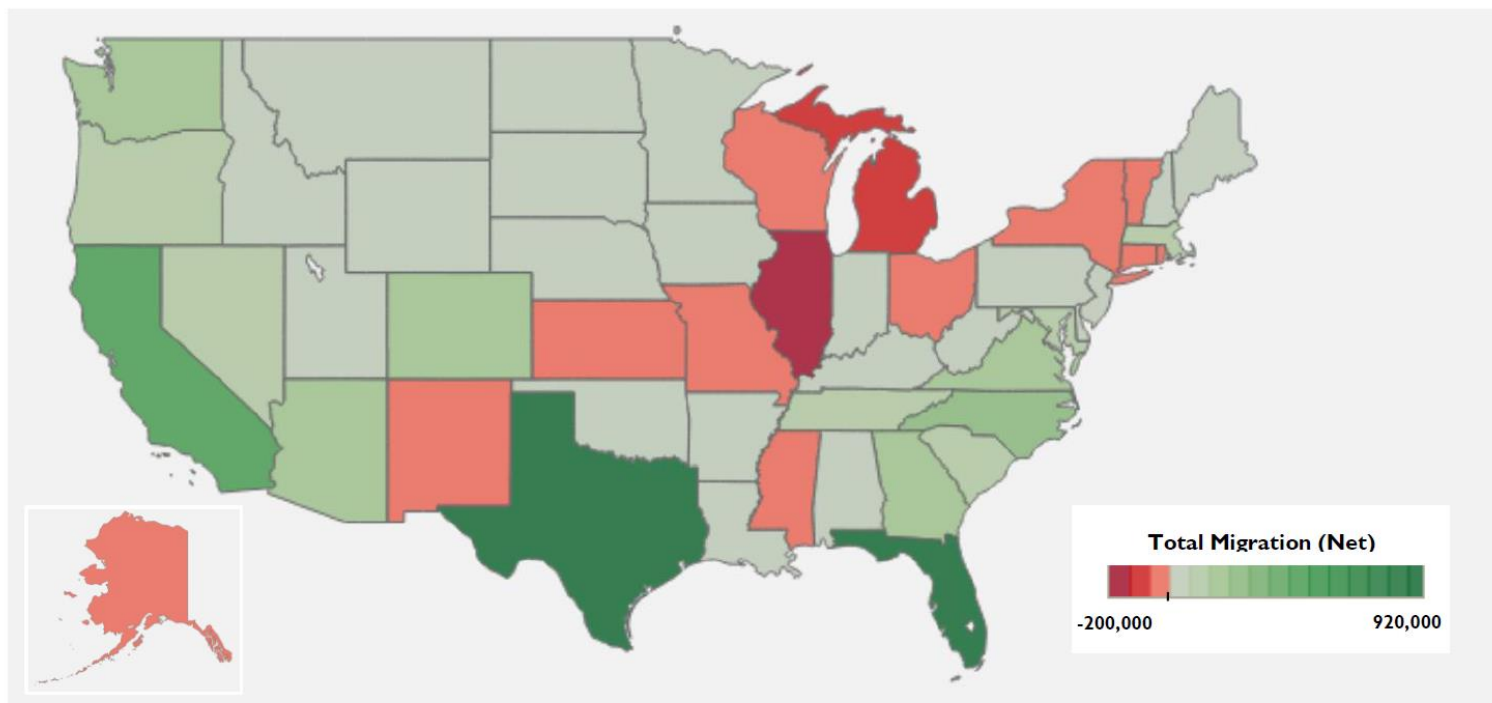
For interactive map online, see: https://public.tableausoftware.com/views/MigrationReportMapping/DomesticMigrationNet?:embed=y&display_count=no





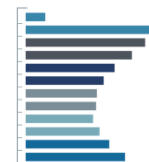
Total net migration, by state, since 2010 census

Figure 5: Total Net Migration, By State, April 1, 2010 – July 1, 2014



Source: U.S. Census Bureau, 2014 Population Estimates. Note: Domestic plus international figures may not equal totals due to rounding and a "residual," the result of controlling county populations to the national population for the entire set of estimates.

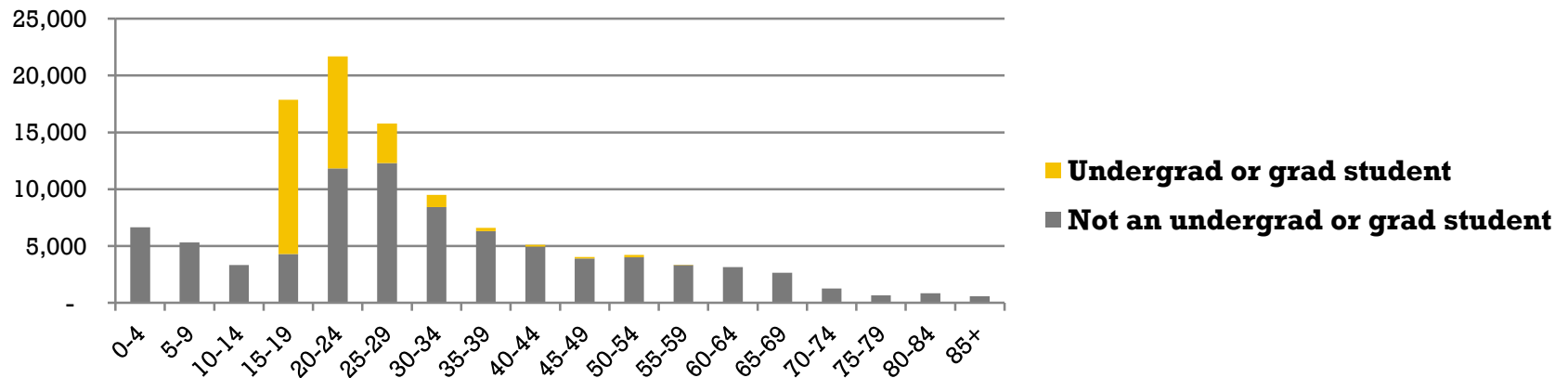
For interactive map online, see: https://public.tableausoftware.com/views/MigrationReportMapping/TotalMigrationNet?:embed=y&display_count=no



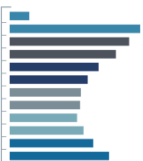


About 113,000 people leave MN each year for other states

Annual leavers from Minnesota, by age group and student status, 2008-2012



■ Only about 101,000 arrive from other states, resulting in domestic losses



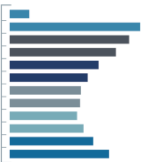


QUIZ QUESTION:

True or False: Immigrants are more common in MN today than they were in 1920.

A. True

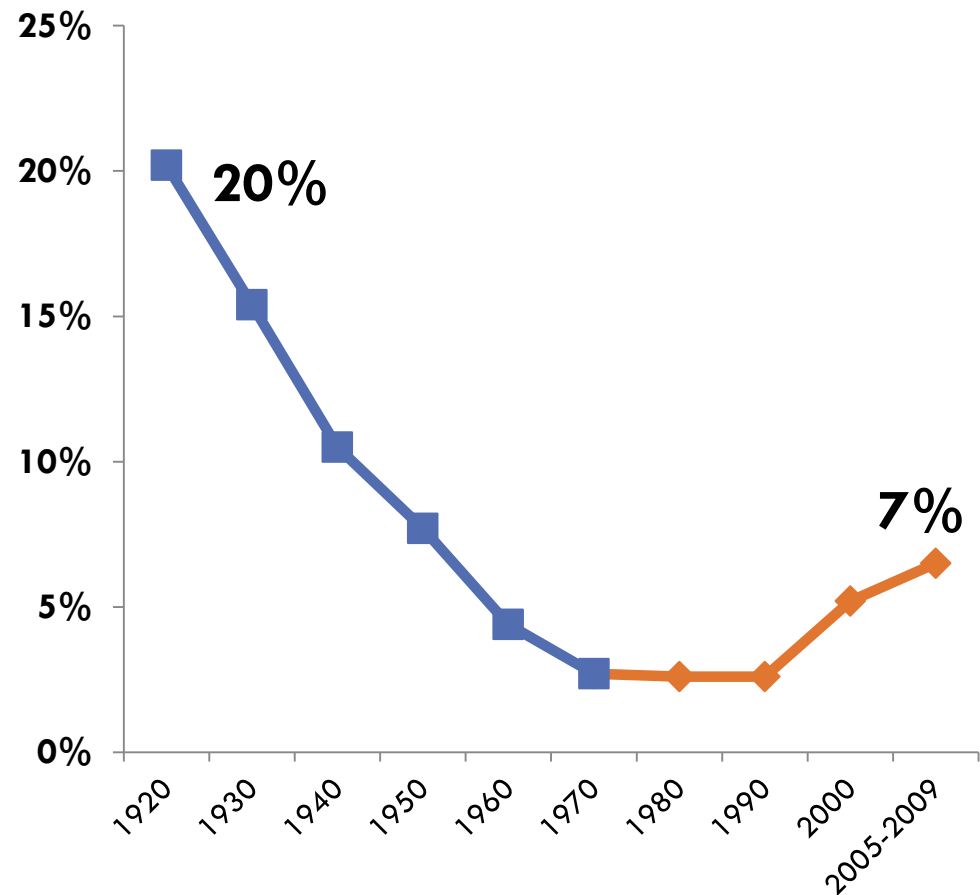
B. False





Immigration is not a new phenomenon in MN

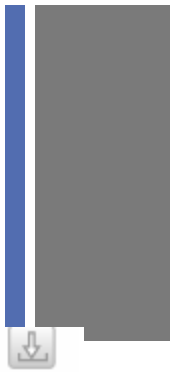
Percent Foreign Born
Minnesota 1970-2009



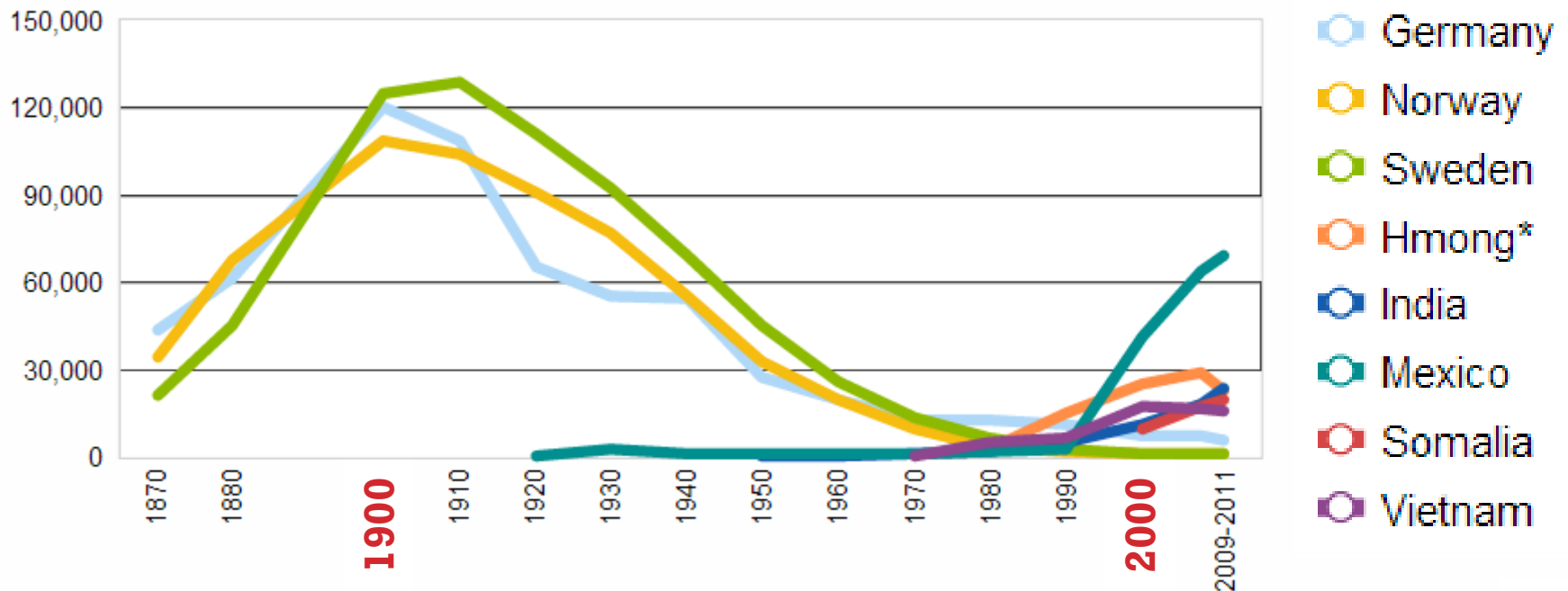
Source: U.S. Census Bureau



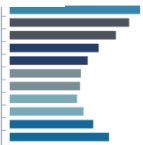
Much of our state's character is from immigration in late 1800s



Foreign born population by birthplace
Minnesota, 1870-2011



Compiled by
Compass

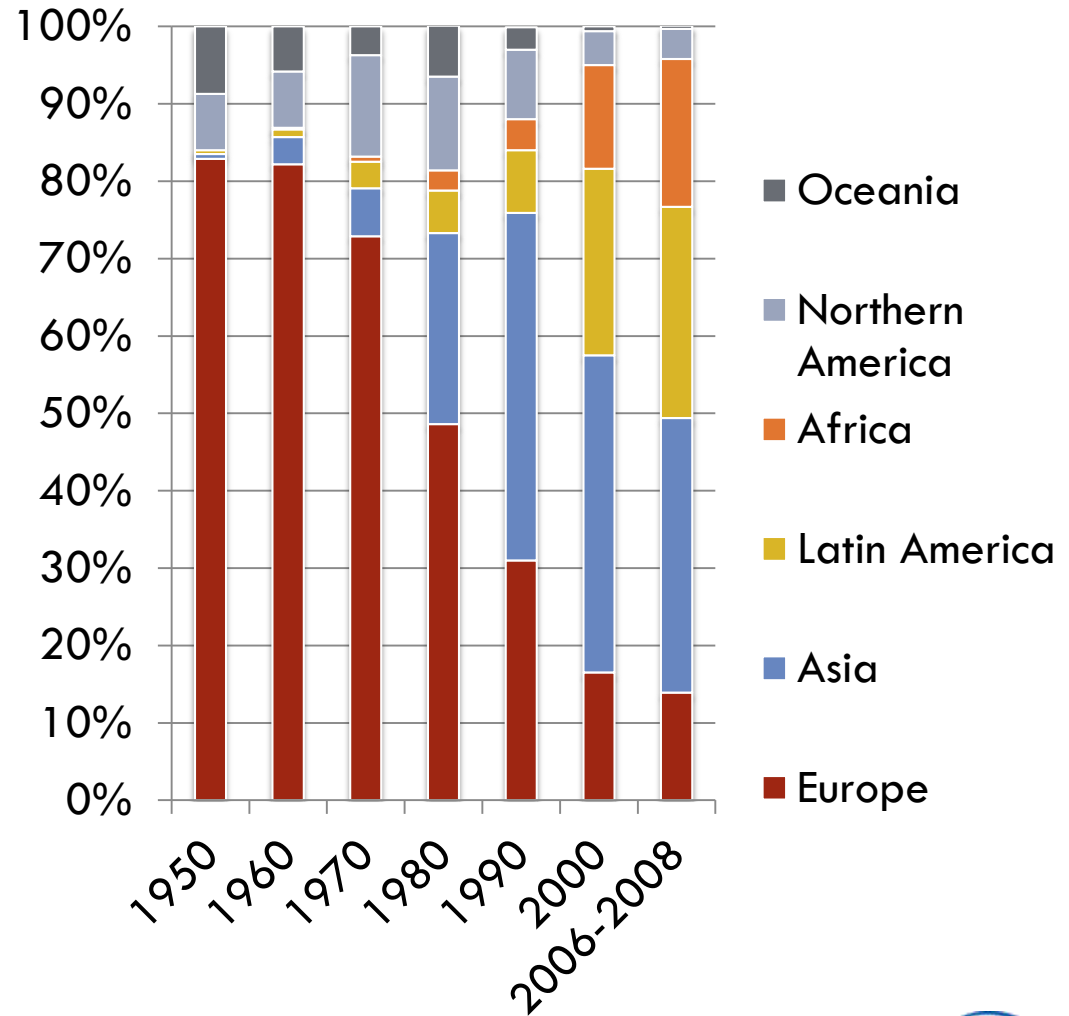




Our foreign-born population is becoming increasingly diverse

Foreign Born by World Region of Birth

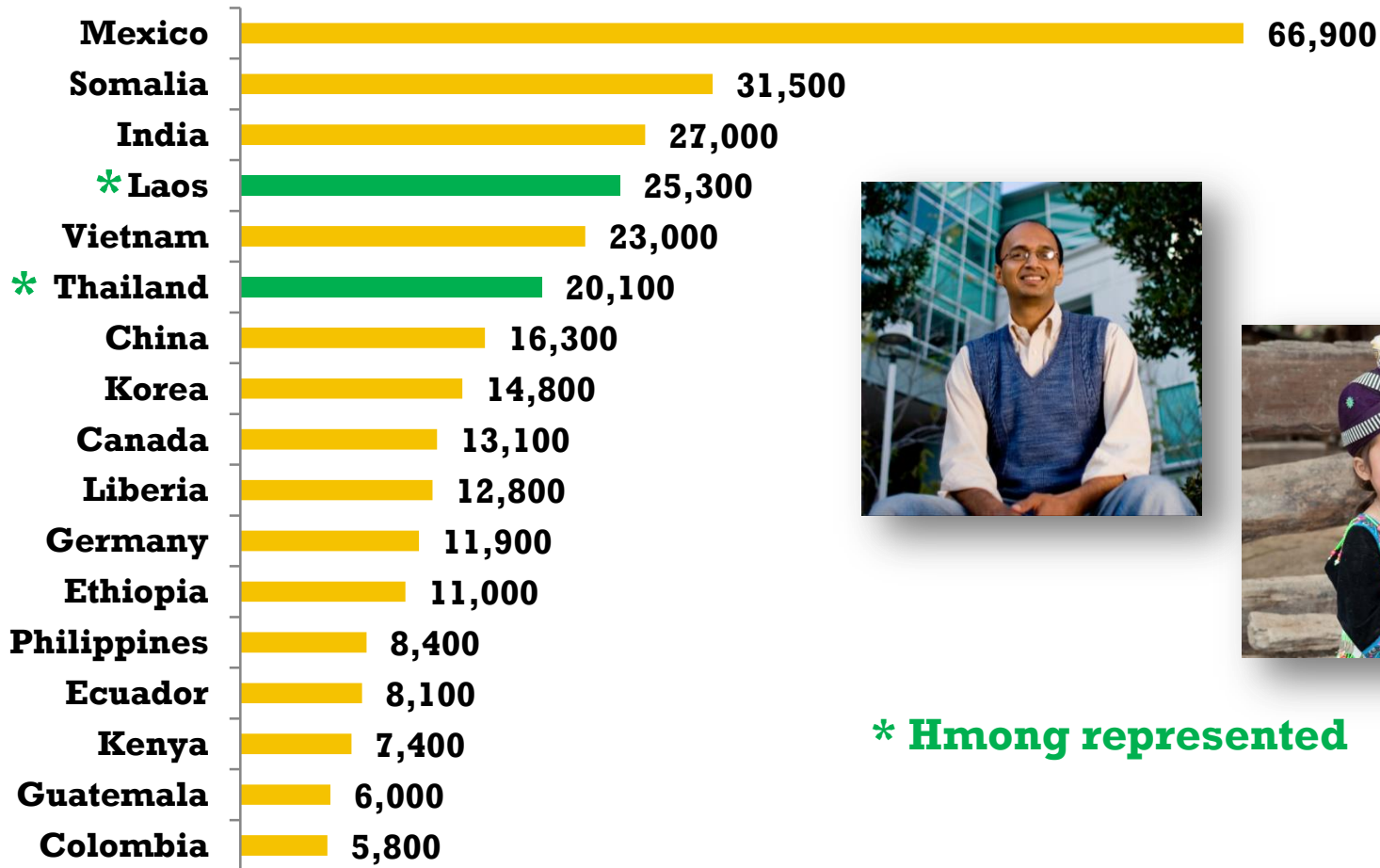
Minnesota 1950-2008



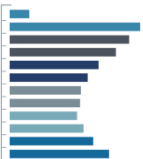
Source: mncompass.org



MN foreign-born populations: Largest groups by country of birth, 2013

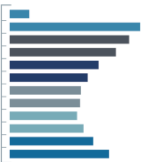


* Hmong represented



+ Take-away thoughts for all Minnesotans

- All areas of the state will feel effects of an **aging population**, some places much more acutely. This will create fierce debates about **where to spend scarce public dollars**, as health care and long-term care become cost-drivers of public budgets.
- There are **many healthy years ahead** for many of our older adults. How can we enlist and benefit from **older adults reshaping their communities** in the years to come?
- Fewer workers relative to older adults puts a premium on **developing, retaining, and attracting skilled workers** — to fuel economic growth and to pay for needed public services. Alignment of preparation is key.
- **Poor educational and economic outcomes** for our fast-growing populations of color harm economic competitiveness & quality of life for all.
- **Positive net migration** will be necessary to meet workforce needs in a tightening labor market as the Boomers retire.





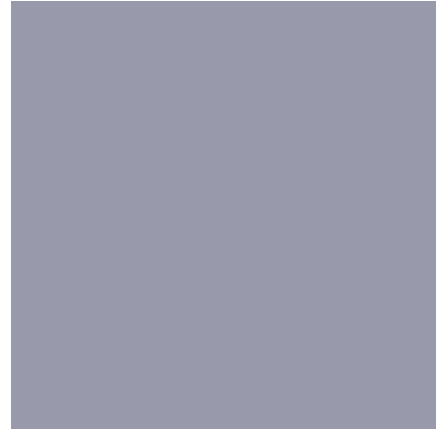
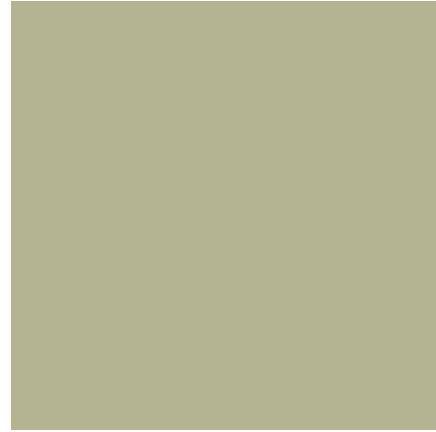
+Engineers are problem-solvers!

What can you do to positively shape
the future of Minnesota and your local
community?



Questions?
Comments?

Thank you!



Andi Egbert

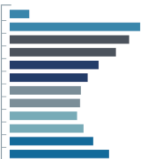
andi.egbert@state.mn.us



MN State Demographic Center online resources

**Explore our website at
mn.gov/demography**

- Locate more data, more efficiently
- New interactive maps and data visualizations
- Featuring a new blog, guidance for data users, and more
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